



DEVELOPMENT OF TECHNIQUES FOR SHORT-RANGE PRECIPITATION FORECASTS

Robert K. Crane

Environmental Research & Technology, Inc. 696 Virginia Road Concord, Massachusetts 01742

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cells and to establish the motion and time histories of the cells.

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to increase speed and reduce computer storage requirements. A new volume cell detection and tracking program was developed to combine the radar data obtained on successive scans to provide a three-dimensional analysis of the radar detected

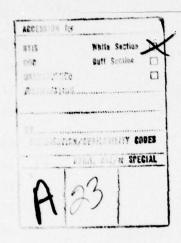
The previously developed cell detection program was extensively revised

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1. INTRODUCTION

1.1 Program Objectives

The ultimate goal of the work reported herein is the development of a real-time method for the short-range (0-20 minute) forecast of storm development and motion. The initial step in this program was the development of objective techniques for the efficient representation of information obtained from a single Doppler weather radar (Crane, 1977). The radar data are processed to obtain fixed and peak referenced reflectivity contours and peak referenced tangential shear contours. The essential information contained in the contour data are represented by a set of attributes. In this report, we consider the second step in the program, the assembly of data obtained from a set of radar scans into a set of attributes that characterize the three-dimensional structure of the small precipitation cells and surrounding echo regions, their motion, and their development in time. Initial consideration is given to the problem of forecasting precipitation cell development and motion.

1.2 Summary of Results

The work performed under this contract was concentrated in three major areas: (a) improvement to the cell detection program developed under the previous contract (Crane, 1977), (b) development of the volume cell detection and tracking program, and (c) preparatory data analysis to support the development of cell forecast algorithms.

The cell detection program was extensively revised to reduce the amount of core storage required for some of the integer arrays used in peak referenced contour analysis; to process reflectivity, tangential shear, and Doppler spread data simultaneously; to include spread information in the reflectivity and tangential shear peak attributes; to use the relatively spiky nature of ground clutter as an aid in rejecting ground clutter; to resolve automatically Doppler velocity ambiguities using radial velocity data from resolution elements adjacent in range and in azimuth; and to vary the quantization steps used in the peak referenced contouring operation. In the process of revising the program additional refinements were made in the cell detection logic to correct several

defects detected using actual radar data and to improve the technique used to store temporarily the peak referenced contour data to increase the speed of the processing algorithm and reduce overall core storage. At present, the entire program required for the simultaneous processing of reflectivity, tangential shear, and Doppler spread data fits into the core storage available on the CDC 6600; a result not anticipated at the start of the program.

The program is currently relatively slow in operation due to (1) the extensive number of input and output tape or disk operations used to read the input radar data, store data for plotting, store data for subsequent volume cell detection and tracking and to store data for B scan printouts and (2) the large number of bit manipulation operations required to pack and unpack data for storage. A considerable time savings can still be accomplished by reducing the amount of output data and by rewriting the program in assembler language to reduce the time spent in subroutine calls for bit manipulation and indirect storage addressing.

A volume cell detection and tracking algorithm was developed to combine the data from successive radar scans. The fixed and peak referenced contouring operations are performed independently for each azimuth scan of the radar. The reflectivity cells (peak referenced) are associated from one elevation angle to the next to form a volume cell and from one volume cell to the next to form a track. The reflectivity cells are used to identify the basic organization of the radar data. Fixed contours that enclose associated reflectivity cells are used to determine the 3-dimensional echo envelope for the reflectivity cell (or cells). Tangential shear and Doppler spread cells are likewise associated from scan-to-scan; associated with reflectivity cells (if possible); and identified with fixed contour envelopes. The lowest threshold fixed contour that encloses each of the reflectivity, shear, or spread cells is used to tag that cell to aid in the association processing.

A new set of attributes are developed for each volume cell. A list of these attributes are given in Table I for fixed contours and for reflectivity, shear, and spread cells. The attributes to be calculated for each volume cell are readily modified. The basic volume cell detection and tracking algorithm is used to perform the scan-to-scan association.

TABLE I

VOLUME CELL ATTRIBUTES

Surrace Area Etch Top Enclosed Volume Centroid Location* Total Surface Precipitation Average Surface Rain Rate Average Reflectivity Maximum Enclosed Peak Values Profile of Areas vs Centroid Heights	Reflectivity at Peak Height of Peak Height of Top Height of Base Centroid Location* Area at Peak Volume Area at Surface Reflectivity at Surface Average Tangential Shear	Shear at Peak Height of Peak Height of Top Height of Base Centroid Location* Area at Peak Volume Area at Surface Shear at Surface Shear at Surface	Spread at Peak Height of Peak Height of Top Height of Base Centroid Location* Area at Peak Volume Area at Surface Spread at Surface Associated Reflectivity Peaks
Heights Profile of Average Reflectivity vs Centroid Heights Number of Enclosed Peaks (by type) Nearest Neighbor Distances for Enclosed Calls	Average Tangential Shear Average Radial Shear Average Vertical Shear Average Velocity Spread Associated Shear Peaks Associated Spread Peaks	Average Velocity Spread Associated Reflectivity Peaks Associated Spread Peaks	Associated Kerlectivity Peaks Associated Shear Peaks

7

*Centroid Locations are Defined on the Surface Using Data from the Lowest Possible Elevation Angle

When data from two scans are associated, they can be used readily to calculate any desired attribute. The lists given in Table I are preliminary in nature covering the parameters we currently expect to be most important in subsequent analyses. Experience with the use of these programs for a larger data set will be required before a final set of attributes can be specified.

Experience with a larger data set is required as a prerequisite to the development of cell forecast algorithms. Crane (1976) processed reflectivity data from a number of radar scans obtained at Wallops Island during the summer of 1973 by the Johns Hopkins Applied Physics Laboratory (APL) in the process of initially establishing the utility of the peak referenced contouring technique. These data were used by Crane (1976) to investigate cell lifetime and possible cell tracking/extrapolation techniques. In this study, we used the same data set to determine the relative spacings between cells. The object of the spacing study was to determine if preferred spacings are evident in nature. If so, the preferred structure can be used to forecast the most probable location for new cell development. The ability to forecast locations for new cell development would add significantly to the 0-20 minute forecast because the median cell lifetime is less than 20 minutes and forecasting by extrapolation along a cell track is not adequate. An examination of the Wallops Island data revealed that the nearest neighbor distances between cells were between 7 and 9 km and that these distance values did not depend on the type of rain observed. This suggests that new cell site forecasts are feasible.

1.3 Software Development

The goal of this contract with the Air Force Geophysics Laboratory (AFGL) is to provide efficient computer software to obtain parameters to represent the essential information obtained in a sequence of scans of a single Doppler weather radar. The radar used to provide the data is the C-band Doppler radar operated by the Weather Radar Branch of AFGL at Sudbury, Massachusetts. The computer programs were prepared for the CDC-6600 at AFGL.

There are now three separate programs in the sequence of programs to be used for weather radar data processing. The first is the cell detection program which was developed under the previous contract (Crane, 1977) and extensively modified during the course of this contract. The second is a plotting program used to display contours and cell centroids. This program was developed under the previous contract and modified under this contract to display separately the locations of the centroids of the fixed echo regions and the centroids for each of the peak detected cells reflectivity, tangential shear, and Doppler spread cells. The third program detects and tracks volume cells. It was developed under this contract. This program uses data generated by the cell detection program to develop three-dimensional cells and to describe their location, height and intensity. The volume cell attributes are listed in Table 1.

The ultimate goal of this work will be the development of real-time radar processing techniques to be used on a dedicated computer system that is an integral part of the radar system. The programs generated to date on the current contract are exploratory in nature. They were designed to fit within the core storage limitations of the CDC-6600 computer but still have a high degree of flexibility in modifying storage array sizes and in providing auxilliary output for testing the program. The program design had real-time processing in mind and, in the end, should be reasonably efficient when tailored to an on-site computer system. Listing and operating instructions for the programs developed on this contract are included in the appendices.

1.4 Organization of the Report

A summary of the modifications to the cell detection program and plotting program is given in Section 2. A description of the volume cell detection program is given in Section 3. Initial consideration of the cell forecasting problem is given in Section 4. Sample outputs are provided in Section 5. Section 6 summarizes progress to date and provides recommendations.

2. IMPROVEMENTS TO THE CELL DETECTION PROGRAM

2.1 Cell Detection Logic Changes

The cell detection program was modified to include the detection of Doppler spread peaks and to pack integer addresses used in the peak detection routine six to a CDC word. The latter change was required to make room for the additional data used in Doppler spread processing. In the process of revising the address storage procedure, a number of minor logic errors were detected. These errors were associated with the operation of the radial-to-radial association of contours at different threshold levels (see Section 5.2 of Crane, 1977). The errors have been corrected and, in the process, changes were also made to streamline the storage of the temporary contour data.

At present, the temporary attribute storage array (TATR in subroutine PEAKD, see Appendix D) is used to identify active cells at each possible threshold level (relative to the peak level for the cell) and to store pointers to previously associated active cells as well as provide partial attribute summations for the active cells. The TATR array is doubly subscripted maintaining temporary storage for the number identification of the peak for the active cells. For each active cell the stored data includes the current estimate of the peak value; a set of partially summed attribute values for each of the nested contours for each possible threshold level below the peak, area, average value, centroid location plus, for reflectivity cells, Doppler spread, radial shear, tangential shear, and radial velocity; the azimuth count for the last azimuth on which the attributes for each contour were updated; and a pointer to the enclosing fixed contour. This last item is included for later use in the volume cell detection program. If a cell is not active at a particular threshold level but was previously active on the current radial, the area attribute contains a pointer to the cell, now active at that level. After processing the data for a radial the cell-to-cell pointers are zeroed. If a cell becomes inactive, all pointers to that cell are also zeroed before processing data for the next radial.

The program as it now sands is configured to allow rapid changes in the dimensions of all the storage arrays. This convenience costs in producing relatively longer processing times than for a program with fixed storage allocations. A final program modification should be made when the exploratory runs of the computer program are finished to fix the array sizes and optimize the program for rapid operation.

2.2 Refinements in Velocity Data Processing

The program was modified to provide automatic resolution of Doppler velocity ambiguities. The first detected velocity data for each scan is assumed to be in the velocity interval spanning zero velocity. Successive observations at different but adjacent range or azimuth locations are assumed to differ from the first observation by less than the velocity ambiguity. If the difference is larger, it is adjusted so that it is smaller by adding or subtracting a value equal to the velocity ambiguity ($\lambda/2$ -PRF where λ is the wavelength and PRF is the pulse repetition frequency). The data for each radial are then reexamined to ensure that each velocity observation differs from the average of the velocity values for the two surrounding range intervals by less than the velocity ambiguity and adjusted again if required.

The above processing is used for contiguous range and azimuth elements. If large spacings exist between regions of radar data above the processing threshold, the first data point in one region is compared with the average velocity for the previous region. The data therefore are objectively adjusted to remove ambiguities. Provision is provided to reject data from this analysis if the Doppler spread is not within preset bounds but this option has not been exercised.

The processed data appear to be reasonably smoothly varying as indicated in Figure 1. The tangential shear data obtained by numerically differentiating the radial velocity data are however, more variable as illustrated in the figure. The apparent noise evident in the tangential shear field led to the inclusion of Doppler spread data in the analysis process. The program was also modified to introduce a new constant to specify the quantization interval for peak detection contouring. By setting this constant, additional control is exercised over the peak detection process. Referring to Figure 1, no peaks would be detected if the quantization step is 1 m/s but a number of peaks are detected for a 0.1 m/s quantization step (see Section 5).

218.6 220.5 221.4 222.4

215.6 216.6 217.6

Figure 1 Sample Data Set Including Two Fixed Contour Echo Areas and Three Reflectivity Peaks

2.3 Doppler Spread Processing

Velocity variance data may now be routinely processed using the computer program. Facilities to analyze this data field were added because of the apparently high noise levels in the tangential shear data and the expectation that at high signal-to-noise ratios, the spread data may be more reliable. As discussed before (Crane, 1977), the spread data are assumed to contain the same information as the tangential shear data due to the dominant effect of velocity fluctuations on the scale of the antenna beamwidth at the observation range. Both data fields are now processed to allow an intercomparison between the information available from each field and to investigate their relative sensitivity to noise.

The velocity variance output from the pulse pair processor is known to be adversely affected by low signal-to-noise ratios. A noise level dependent threshold parameter is provided for thresholding the velocity variance data but has not been exercised as yet. To reduce the sensitivity of the variance data due to noise, the square root of the variance is used for analysis of the Doppler spread. A sample of this data is depicted in Figure 1. It is noted that the velocity data, radial velocity, Doppler spread, and tangential shear, are processed only when the reflectivity values are above the lowest (processing) threshold level which, for this figure, is 20 dBZ. High Doppler spreads are evident in two regions of the figure, (1) at low reflectivity values and (2) at high reflectivity values. The high spreads at low values are presumably caused by signal-to-noise problems and should be suppressed using the signal-tonoise threshold level. The high values corresponding to the higher reflectivity values are presumably real, although the correlation with the tangential shear values is not good for the data in this figure. A larger data sample must be analyzed to optimize the processing of tangential shear and/or Doppler spread data.

Modifications for Doppler spread processing were made in several areas of the program. The largest change included the addition of temporary attribute storage arrays for the detection of Doppler spread peaks. In addition, the reflectivity peak and tangential shear peak detection algorithms were changed to increase the number of attributes so the average Doppler spread within a detected cell could be determined. This attribute is now listed with the others as described in Section 5.

3. VOLUME CELL DETECTION AND TRACKING

3.1 Definition of a Volume Cell

The cell detection program provides, as one of its outputs, a list of attributes for fixed contours, reflectivity peaks, tangential shear peaks, and Doppler spread peaks. At a minimum, each attribute list defines the average value, area, and centroid location of each cell for each azimuth scan of an elevation scan sequence. The expected scan sequence for the radar includes azimuth scans (or azimuth sectors in a raster scan) at successively higher elevation angles until a complete volume scan is completed. The data for each elevation or tilt of the scan sequence must be combined with the data from other tilts to provide a three-dimensional picture of each cell or echo volume.

The process of combining data from scan to scan in a volume scan sequence is illustrated schematically in Figure 2. This figure represents a height section through three cells. The contours represent quantized data (e.g. reflectivity data in 1 dB steps) that have been processed on each azimuth scan to produce a set of reflectivity peak cells. The minimum attribute set is identified by the length of the heavy bar (detected length or in three-dimensions, the cell area) and its location (centroid) on each tilt. The data obtained for the lowest tilt is assumed to extend to the surface. The height of the centroid is determined from the range to the centroid and the elevation angle for the scan.

The three-dimensional cell or volume cell is defined by the volume enclosed within the peak detected cells that are associated from scan-to-scan. A criterion similar to the one used to define a peak referenced cell is used to define the volume cell. From the sequence of attributes for cells detected scan-to-scan, cells 1, 2 and 3 on this figure, a peak value and its height may be selected. The top and base of the volume cell are defined by the height at which the reported average value drops the required number of quantization units below the peak value. This height is determined by extrapolation if detected cells are obtained for each tilt or is taken as halfway between the height of a value above the required threshold and the expected height of the intersection of the cell with the next tilt plane if no associated cell was detected on the next scan. The locations of the peaks, tops, and bases are depicted on the

Illustration of Scan-to-Scan Data Association in a Volume Scan Sequence Figure 2

figure. The volume of the detected volume cell is assumed to be the product of the area at the peak value (averaged if have more than one value equal to the peak value) and the height difference between top and base.

The volume cells may have a base at the surface as illustrated by cell number 1 or a base above the surface. In the latter case, the cell may be detected at the surface as illustrated by cell 3 or may not extend down to the surface as illustrated by cell 2. The volume cell is described by a set of attributes which includes its volume, its reflectivity and area at the surface (zeroes if it does not extend to the surface) and a number of additional parameters as listed in Table I. In some cases, the volume cell may be detected on some scans and missed on intervening scans. In this case, the volume cell will be "filled in" by interpolation between the measured values. In each case, the centroid is taken to be the surface distance at the lowest elevation angle with a detected cell (single scan).

Each detected peak is tagged with the identifier of the enclosing lowest threshold fixed contour. The fixed contours are associated from one scan to the next using the identifiers for associated peak cells. Three-dimensional fixed contour attributes are generated using the associated data. The echo tops are defined as lying halfway between the height of the highest detected peak enclosed by the contour (which may be at a threshold level many dB below the cell top reflectivity level) and the height of the cell location at the next highest elevation angle. The volume within the fixed contour is obtained by summing the areas on each scan and using the height differences between the centroid locations. A complete list of fixed contour volume cell attributes is listed in Table I.

3.2 Detection and Tracking Algorithms

The volume cell attributes are obtained from the peak detected cell attributes obtained on each azimuth scan. These cells must be associated from scan-to-scan before the data from different scans can be combined. This association process lies at the heart of the volume cell detection and tracking process. Association is affected by pairing cells that are sufficiently close together to come from the same three-dimensional structure. The location of the contours surrounding each peak is not available

for use by the association algorithm. Association is accomplished by first selecting cells from each scan whose centroid locations, when projected on the surface, are separated by less than the square root of the combined areas, plus the distance the cell might move during the interval between scans, plus a fixed distance to account for the statistical centroid location uncertainty introduced by the expected variability of the radar data. Comparison is always made between the cell location for a particular scan and the detected volume cell location from the lowest elevation scan on which it was observed.

In most cases, only pairs of cells will be evident from the association algorithm listed above. Occasionally, in a cluster of cells, more than one cell may meet the association criterion. In this case, the cells will be associated by picking those cells which are closest after a uniform offset is made between cell locations to provide the largest number of associations. This is illustrated in Figure 3. In this figure, the cell to be tested, cell A, is closest to the previously detected volume cell number 2, but after translation of the surface locations relative to each other by the amount shown by the straight line on the figure, all three cells (lettered) may be associated with the detected cells (numbered) with smaller physical separations. This procedure for conflict resolution (correlation) will be used only when the resultant translation is physically realizable (i.e. corresponds to a possible cell tilt or translation velocity).

The scan-to-scan cell association logic is also used for volume-to-volume scan sequence association for cell tracking. For the tracking problem, the translation analysis for conflict resolution becomes more important and guidance in selecting the appropriate translations is taken either from a prescribed wind vector (700 mb wind for instance) or from the results from the previous scan. The conflict resolution or correlation algorithm is performed separately for large echo regions in that the translation values are allowed to vary from one echo region to the next.

3.3 Volume Cell Attributes

The volume cell attributes were partially defined in Section 3.1 and are listed in Table I. A different set of attributes is generated for

- + surface location detected volume cell
- surface projection of peak cell



3+---•C

Figure 3 Illustration of Scan-to-Scan Association for Volume Cell Detection and Tracking

each volume cell type. Fixed contour attributes include measurements of the total precipitation produced within the echo region, average rain rates on the surface, profiles of area and of average reflectivity for the data contained within the fixed contour envelope, and summaries of the numbers and locations of peak referenced cells detected within the echo envelope. The peak referenced volume cell attributes include the size, intensity, and location parameters listed above plus information on associated volume cells of different types. The reflectivity peak attributes also include average spread and shear values for data obtained within the cell (between base and top). The vertical shear values are calculated using the variation of the average radial velocity with height.

Each detected volume cell is characterized by its attributes. Each volume cell track by the time variation of its attributes. In addition, tracks may be characterized by a lifetime and average velocity. Observations obtained to date indicate that the individual peak referenced reflectivity cells neither merge nor split but only develop and translate. Observations of a much larger data set are needed to verify this model for small cell behavior. The larger fixed contour regions may merge or split depending upon its stage of development. By tracking the enclosed cells and maintaining the cell to fixed contour identification relationship, the merger, growth, division and decay of the larger echo regions may be automatically taken into account. The morphology of the echo development process may be important to the understanding of precipitation dynamics, however, suitable attributes to characterize the relevant processes have yet to be defined. Again, experience with a significantly larger data set is required before further progress can be made.

3.4 Software for Volume Cell Detection and Tracking

A computer program (TRACK) was generated under this contract to associate cells from scan-to-scan, resolve conflicts between multiple associations and generate the volume cell attributes listed in Table I. The listing is provided in Appendix D and operating instructions are given in Appendix C. The program processes data which have been generated by the cell detection program (EXTRAD) and then recorded on disk or tape; the algorithms described in Sections 3.1 to 3.3 are used. The current output is a list of attributes for each detected volume cell (or

track). These outputs are again stored on disk or tape and listed on printout for subsequent analysis. Programs have not been generated as yet to summarize the track histories, do climatological analysis, or provide samples for case study analysis.

4. CELL FORECASTING

4.1 Extrapolation Along Cell Tracks

Short range, 0-20 minute, forecasts are of importance for severe weather warning and weather hazard avoidance. The objective of a forecast on this time (and by implication comparatively small distance) scale is the occurrence of a severe event at a point or over a small area such as an airport or the approach path to the airport. Events such as high winds produced by downbursts or by gust fronts, or regions of intense hail fall are of most interest. Larger time and area forecasts may be made of the probable occurrence of a severe weather event but the problem considered here is the remote detection, tracking, and prediction of the development and decay of a severe weather event. The first parts of the problem, the detection and tracking of small scale features in the radar data, were considered in previous sections. The association of these features with severe weather events is a second problem that is not being considered under this contract. The third part, the forecast of cell development and motion are given initial consideration in this section.

The short range forecast problem considered here is different from most meteorological forecast problems in that the occurrence of at least one cell is assumed. The problems are where will it move, how will it develop in time, where will new ones develop, and will it produce a severe weather event. The measure of success of the forecast procedure must depend upon the particular problem addressed. The success of a cell position forecast should be measured by the distance between its actual position and forecast position at forecast time. The success of the cell development forecast should be measured by the difference between the actual intensity (reflectivity, say) and forecast intensity at forecast time. Classical evaluation procedures that test the occurrence or non-occurrence of the event at a number of geographical locations are not recommended in that the reason for failure of the forecast may not be readily apparent.

Crane (1976) used data obtained by APL at Wallops Island to perform some initial tests of cell tracking/track position forecast algorithms. He assumed that a single cell motion vector would adequately describe the

propagation of a field of cells and tested that assumption by measuring the along track and cross track position errors as a function of forecast time (0-20 minutes). His results showed that the forecast error (position) was the order of the cell diameter (median value) at the half life (median lifetime) of the cell. He also found that the half life was of the order of 10 to 15 minutes and the median cell diameter was of the order of 3 km. This result was, however, based on a limited amount of data.

Crane found that the operation of the track extrapolation forecast procedure could be improved by using different motion vectors for different regions of the display area (see Figure 4 for an example showing the different directions possible for cell tracks observed during the same time interval). This idea is incorporated in the volume cell detection and tracking program. The major problem of using extrapolation along a track for forecasting is the relatively short lifetime of most cells. The largest and most intense cells persisted for a relatively long time, 40 to 50 minutes. Except for these cells, the cell could disappear by forecast time and a significant number of new cells could appear. Forecasts based upon cell time histories could be used to estimate cell lifetime but the forecast of new cell site development is a major problem for any radar data based short range forecast procedure.

4.2 New Cell Site Development

The requirement for a procedure to forecast the most probable sites for new cell development and the observation of a seemingly persistant organization or structure for the location of active cells lead to an investigation of the most probable distance or spacing between the cells. The Wallops Island data previously processed by Crane (1976) were used for this analysis. The data consisted of computer prepared maps of detected cell locations for each of the azimuth scans processed from the 1973 summer data set provided by APL. Nearest neighbor distances were obtained from the data to investigate the existence of persistant dominant scales for cell organization. The smallest, second and third shortest distances between each cell and its neighbors were determined and tabulated for each cell for each available volume scan. It is noted that with the processing technique used, the distance between two closely spaced cells is counted twice, each cell being the nearest neighbor of the other. Nearest

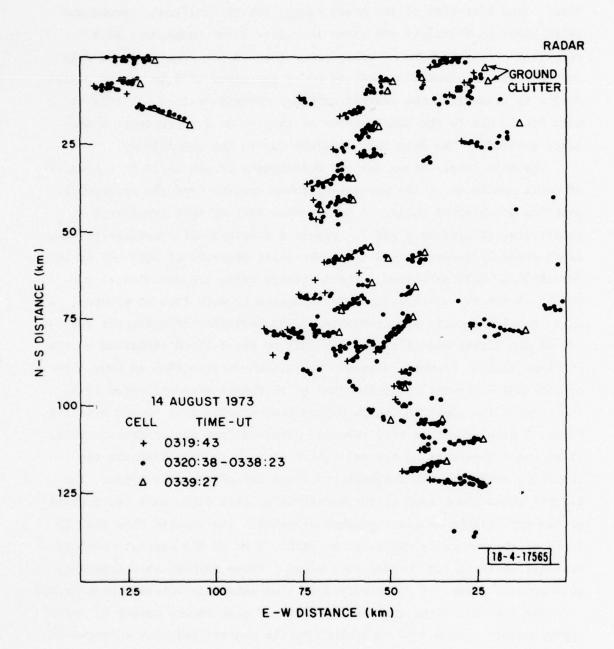


Figure 4 Cell Tracks for a 20-minute Interval Observed by the Wallops Island SPANDAR Radar (from Crane, 1976)

neighbor distributions were generated for each scan. The mode for each distribution was used to estimate the most probable cell spacing for that scan. Time histories of the modal values for the smallest, second and third shortest distances are given in Figure 5 for three days with relatively large numbers of cells (more than 20 per scan). These data show nearest neighbor distances to be on the order of 8 km. Some periodicity is evident in the nearest neighbor distance values but this is most likely due to the small number of samples used to generate a distance estimate. The data show a marked day to day consistency.

The most likely sites for the development of new cells in a cluster of cells should be at the nearest neighbor spacing from the extrapolated position of observed cells. A preliminary test of this hypothesis is illustrated in Figures 6 and 7. Figure 6 displays the locations of new, short-lived or decaying, and trackable cells observed at 2229 GMT on 18 June 1973 at Wallops Island. The trackable cells are depicted at midtrack. Since the observations are separated by more than 20 minutes, only long-lived cells are trackable and the majority of cells are depicted as new (first detection at 2229 GMT) or short-lived (detected on the previous scan). Figure 7 displays the situation more than an hour later, at 2337 GMT. The new cells depicted at this time are designated by N. The older cells shown on Figure 6 have been extrapolated to the time for Figure 7 using the mean cell velocity obtained from the trackable cells. It is noted that most of the cells have decayed by this time and the locations represent the extrapolated locations of the cell sites. The circles drawn about each of the extrapolated cell sites have radii equal to the most likely nearest neighbor distance. The results show that 23 (66%) of the new cells appear at or within 2 km of the nearest neighbor distance while 12 lie outside this range. These results show considerable promise given the relatively long time intervals between observations.

The new cell sites depicted on Figure 7 also show a number of cells approximately spaced from each other by the nearest neighbor distance but not connected to an older cell site. A forecast based upon a more complex pattern using the nearest neighbor distances in a more regular extended structure may be capable of predicting the locations of a larger number of cells. The structure may also reduce the size of the region

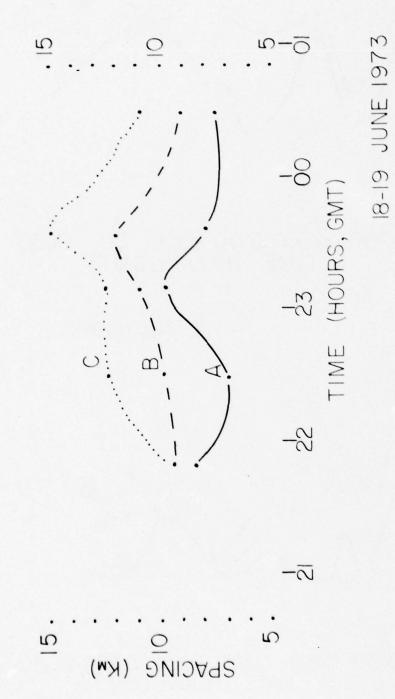


Figure 5 Nearest Neighbor Distances

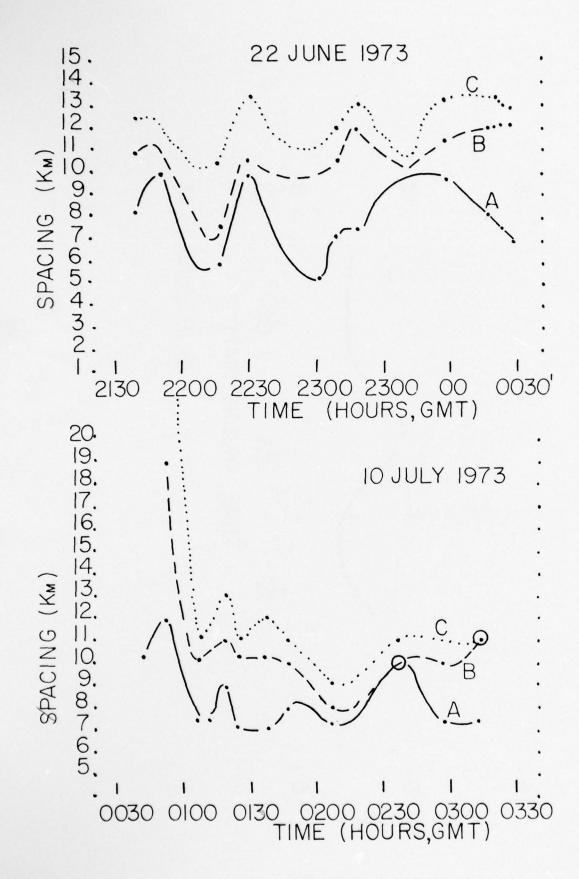


Figure 5 (cont) Nearest Neighbor Distances

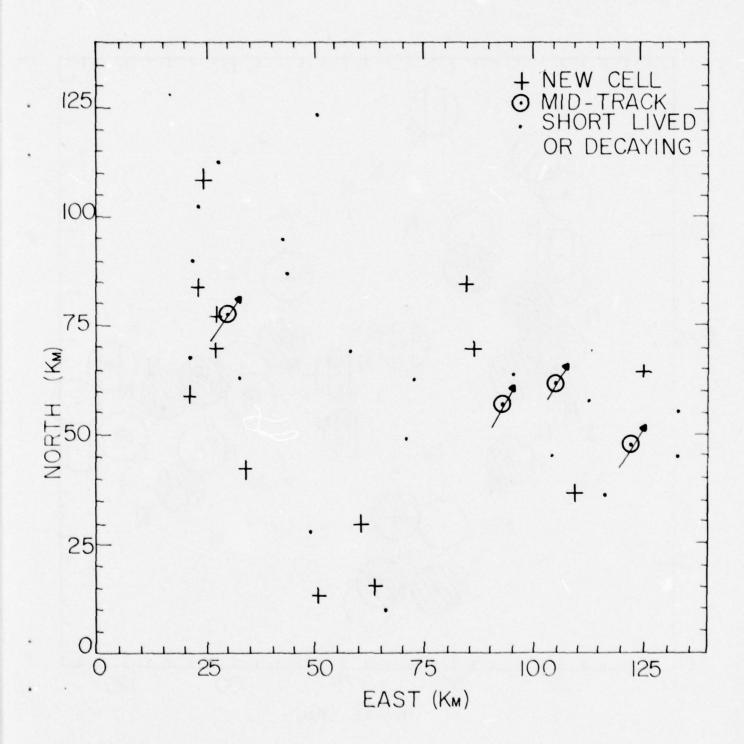


Figure 6 Cell Locations at 2229 GMT, 18 June 1973 at Wallops Island

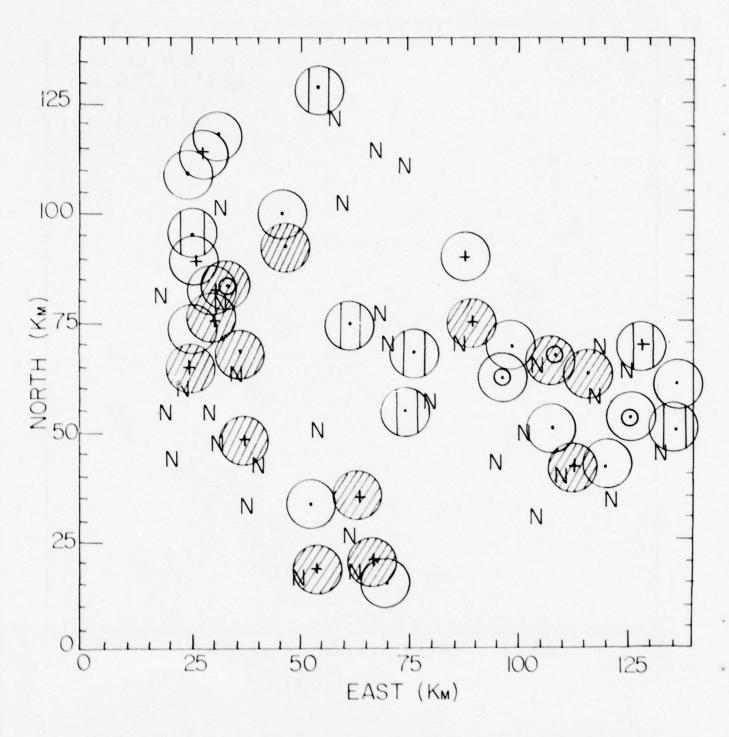


Figure 7 Cell Locations at 2337 GMT, 18 June 1973 at Wallops Island

forecast for probable new cell development by specifying a segment or segments of the nearest neighbor arc. A considerably larger sample of data with smaller time steps between observations is required before a procedure for new cell site forecasting can be developed and tested. The preliminary results presented here are encouraging and indicate that a new cell site forecasting procedure can be developed.

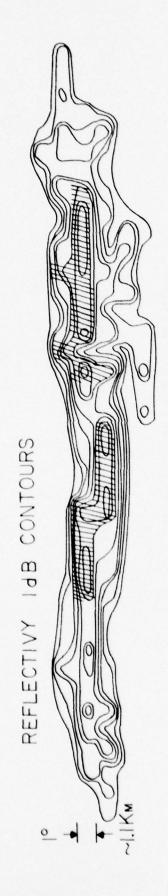
5. ANALYSIS OF SELECTED DATA SETS

5.1 Use of the Computer Programs

The computer programs described above were developed as a prototype for a real-time program system to be employed in reducing the number of data bits required to describe a set of radar observations. The objective of the program was to replace the large volumes of data obtained by a radar system to a set of fixed contour and peak referenced cell attributes capable of representing the same essential information. A prototype program is now available with optional choices for many of the processing parameters and for representing the cell and contour attributes. The major thrust of this contract has been program development and initial testing of critical hypotheses such as the possibility of forecasting the locations of new cell sites. A considerable amount of work still remains using the programs to optimize the processing parameters.

An example of the input radar data for a pair of fixed contours is given in Figure 1. The raw data are the three input parameters, reflectivity, radial velocity, and Doppler (or velocity) spread. An internally generated data field, tangential shear, is also depicted. Contoured data for the three fields used in further processing for one of the echo regions are depicted in Figure 8. In this figure, the quantization steps for each data field are 1 dB, 0.5 m/s, and 0.1 m/s/km for the reflectivity, spread, and tangential shear fields respectively. The reflectivity data show relatively long, thin contours. The basic resolution element for processing, 1° by 0.3 km, is a square on this figure. For more efficient processing, the resolution elements should be adjusted so the contours to be detected are nearly circular. The radar data are read into the computer in 1° by 0.15 km resolution elements. In this example, the data along a radial should be averaged by at least a factor of 6 (3 times the factor used for this figure) to produce 1° x 0.9 km resolution elements. This adjustment may be made automatically in the cell detection program. The spread and tangential shear data show large changes from one resolution element to the next although, with the quantization steps used, the data reveal the same tendency toward elongation as the reflectivity data.

Contours enclosing peak detected cells are indicated by the cross hatching on Figure 8 and on Figure 9. The contours are generated at



DOPPLER SPREAD 0.5 M/s CONTOURS



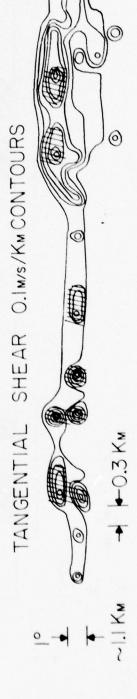


Figure 8 Contoured Data from the Sample Set Depicted in Figure 1

RANGE -

PEAK /// DETECTED CELL

HTUMISA

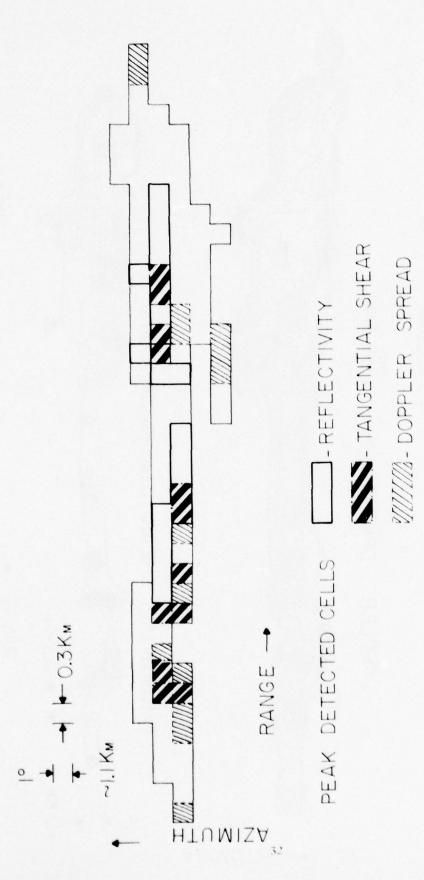


Figure 9 Composite of Fixed Contour Echo and Detected Reflectivity, Tangential Shear, and Doppler Spread Peaks for the Data Depicted in Figure 8

three quantization units below the peak values. The outer contour for reflectivity on Figure 8 and the outer contour on Figure 9 correspond to the 20 dBZ threshold used for processing. Two reflectivity peaks were detected although a shoulder on the first peak (in range, the shoulder is at shorter ranges) would have been detected as an individual cell if two quantization steps were used to define the cell. The shoulder would also be included with the two detected cells in a single cell if the 1° by 0.9 km resolution area were used.

The tangential shear and Doppler spread peaks are shown superimposed on the reflectivity contours in Figure 9. The two tangential shear peaks occur for each reflectivity peak if the shoulder were included. These peaks together with the reflectivity data appear to be delineating the updraft, down draft structure of the cell. With a change to a 1° by 0.9 km resolution area, these sub-cell structures would be averaged to a consistent, one cell picture for this echo region. The Doppler spread data reveal two types of peaks, four of the seven detected peaks coincide with the tangential shear peaks outlining regions of high shear and high spread. These peaks are also intimately related to the reflectivity structure. Three other Doppler spread peaks also are evident at the very edges of the 20 dBZ contour. These peaks correspond to regions of relatively low reflectivity (23 dBZ and lower) and austensibly represent regions where low signal-to-noise values give rise to deceptively high Doppler spreads.

The number and shapes of the peak referenced cells will vary as the quantization step size, the number of quantization steps for peak detection, and the size of the resolution area are changed. More experience is required using these computer programs to select the optimum combination of these parameters for the detection of physically meaningful cells. As used in generating Figures 8 and 9, it appears that too much detail is present and some of the detected regions especially for spread and tangential shear data represent structure on too small a scale (for example, the individual updraft and downdraft regions within a cell).

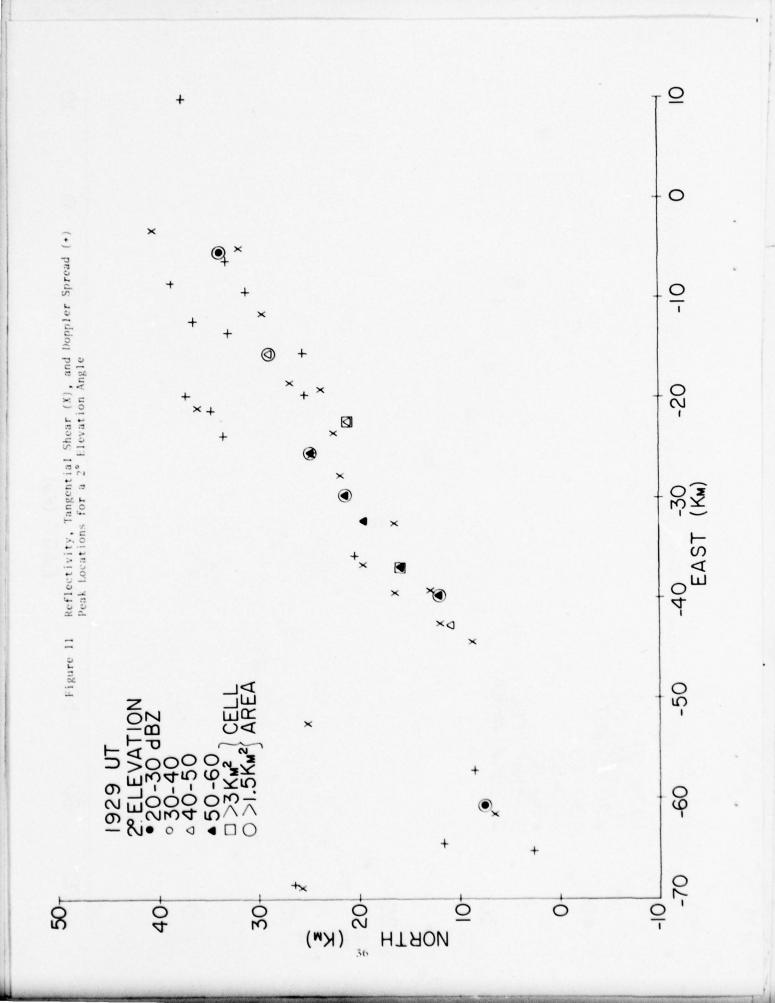
5.2 Volume Cell Observations

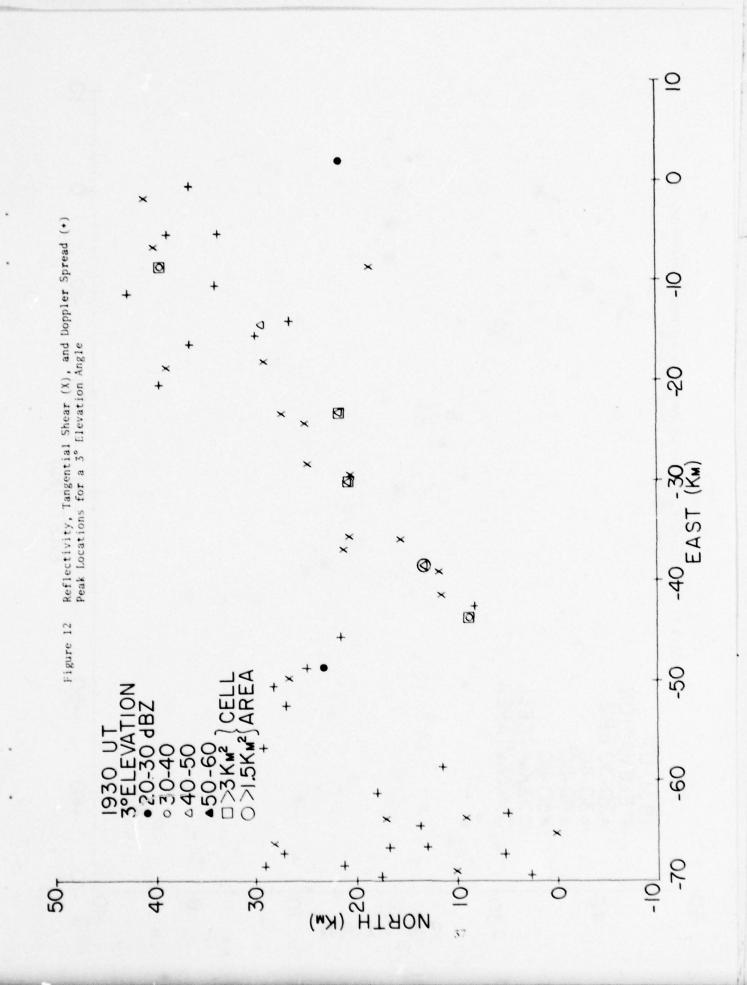
The volume cell detection program is used to combine the data from a number of individual azimuth scans. Data obtained from the Sudbury radar, subsequent to 1928 GMT on August 13, 1975 using 1° by 0.9 km

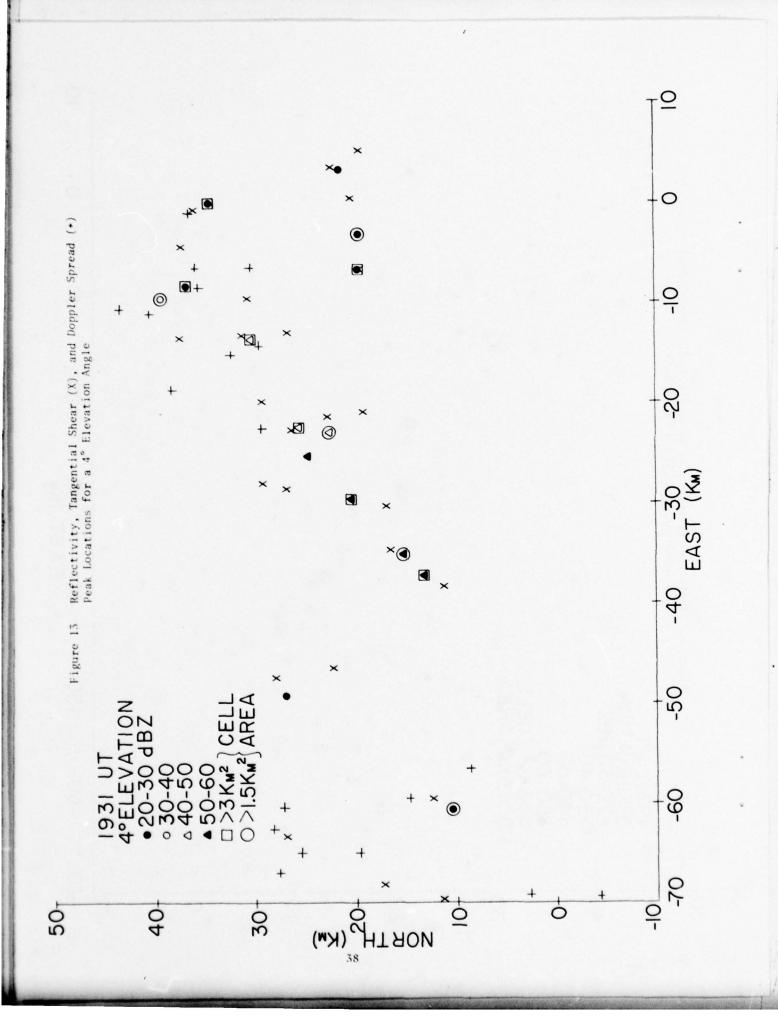
resolution areas are depicted in Figures 10-14. These data show the centroid location of each reflectivity peak referenced cell coded both by average reflectivity and by area. The locations of the tangential shear peaks are denoted by X and the locations of Doppler spread peaks are denoted by +.

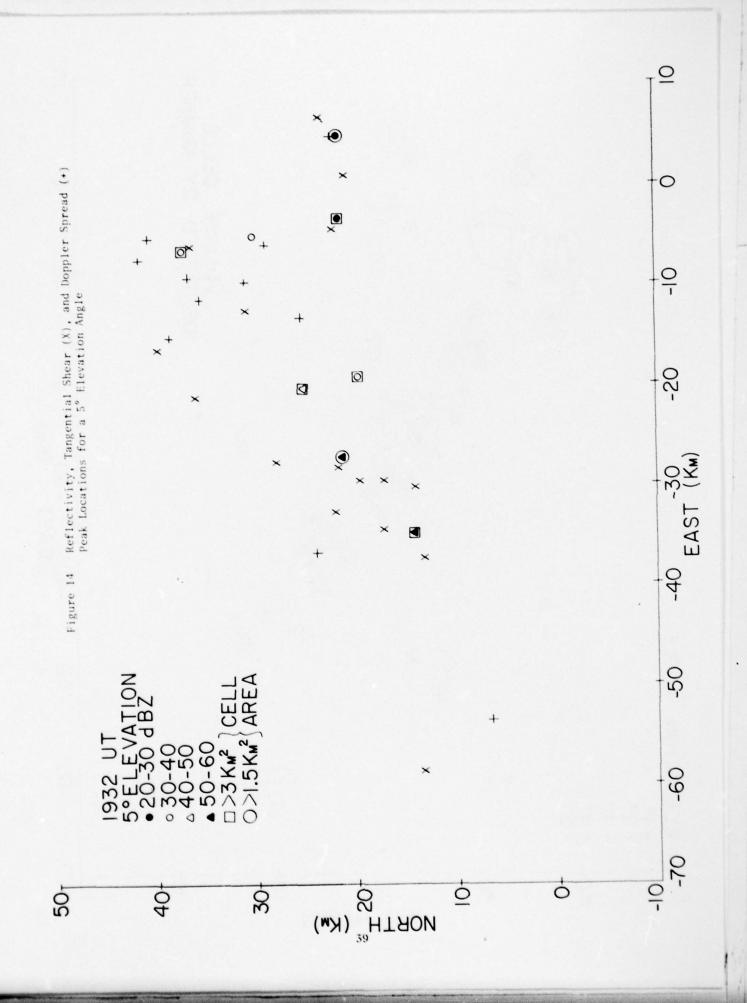
The data from each of the scans were combined to form volume cells shown in Figure 15. In this figure, the solid lines connect the cell locations as detected on each scan using the algorithms described in SEction 3 (Track Program). Cells within 50 km of the radar were detected at elevation angles up to 5°; cells at further ranges were only detected at elevation angles below 4° (heights less than 5 km). A limited set of volume cell attributes for this data set is listed in Table 2.











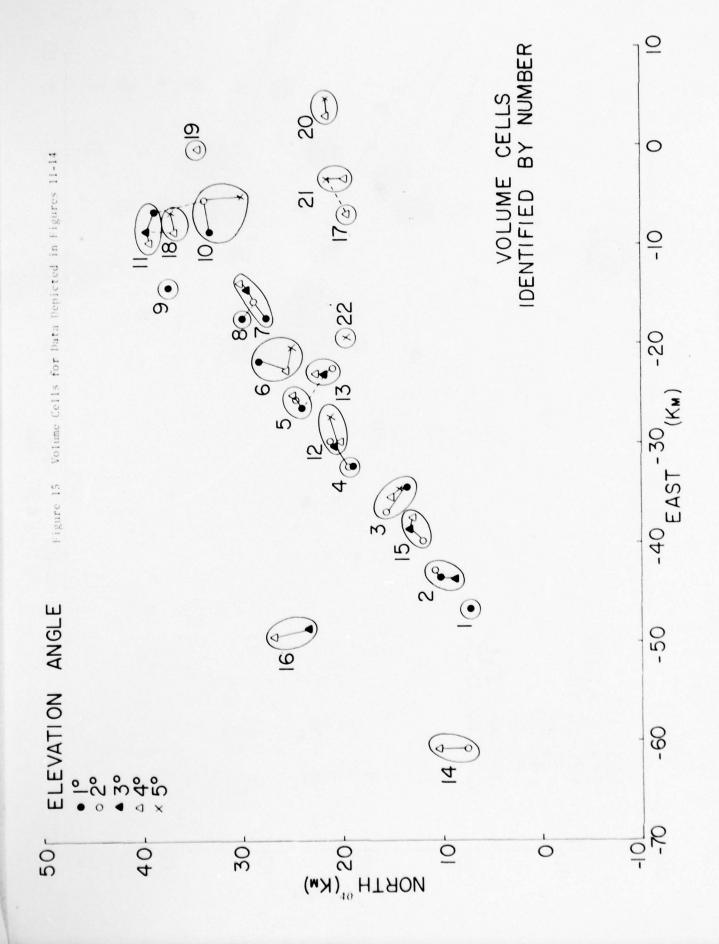


TABLE 2 VOLUME CELL ATTRIBUTES

*QI	Х	¥	Н	d _Z	Н	H _T	РΩ	ν d∇	Volume
1	-46.8	7.3	6.0	39.9	6.0	6.0	0.5	4.0	2.0
2	-43.8	10.3	1.7	49.0	1.1	1.8	0.7	1.5	1.1
23	-34.4	13.7	3.4	54.9	2.9		•	3.5	•
4	-32.3	19.1	1.4	53.2	6.0	1.4	0.5	1.5	8.0
ıs	-26.4	24.1	2.5	52.9	1.0	2.4	1.4	5.4	7.6
9	-21.8	28.5	2.5	49.5	1.9	ı	•	3.5	
7	-17.4	27.8	2.4	47.8	0.7	2.4	1.7	3.2	5.4
∞	-17.2	30.1	0.7	40.9	0.7	0.7	0.5	3.9	2.0
6	-14.2	37.5	8.0	33.0	8.0	8.0	0.5	4.4	2.2
10	6.8 -	33.1	2.7	30.7	1.8	ı	•	1.4	
111	8.9 -	38.8	2.2	31.9	8.0	2.9	2.1	2.0	4.2
12	-29.8	21.3	2.4	55.3	1.4			3.5	
13	-22.4	21.1	2.3	44.6	1.1	2.3	1.2	1.4	1.7
14	6.09-	7.6	2.4	29.1	2.4	3.6	1.2	1.9	2.3
15	-39.9	12.0	2.2	53.6	1.7	2.8	1.1	1.2	1.4
16	-48.7	23.4	3.0	25.7	3.0	4.0	1.0	12.9	12.9
17	6.9 -	19.8	1.5	21.9	1.5	1.5	0.5	3.4	1.7
18	- 8.5	36.5	3.4	31.0	2.7	•		1.9	
19	0.0 -	34.2	2.5	23.8	2.5	2.5	0.5	1.0	0.5
20	3.4	21.7	2.0	22.4	1.6	1	•	0.6	
21	- 3.1	19.9	1.9	22.5	1.4			12.4	
22	-19.3	-19.8	2.5	39.1	2.5			1.0	

*See Figure 15

6. RECOMMENDATIONS

6.1 Parameter Optimization

A set of computer programs has been generated to provide an automatic means for the extraction of information from large volumes of radar data. The programs are written to be as general as possible to enable rapid changes in processing parameters. As indicated in Section 5, the optimum values for these parameters are not known and must be determined. It is expected that the parameters should change from one radar system to the next depending principally on the resolution volume and number of independent samples per resolution element. The first problem to be considered in the use of this set of programs is the optimization of parameters. This can only be done by processing a relatively large number of radar scans for different rain conditions.

Ideally, auxiliary data should be available to provide a standard of comparison for the output from the program. Many case studies such as the one reported in Section 5.1 should be performed to obtain the raw contour data to provide a comparison standard. For use in detecting severe weather events, auxiliary data on the severe events are also required.

6.2 Real Time Processing

The programs, although general in nature, were written with the ultimate goal of use in a real time processor. After the analysis for parameter optimization has been completed, specialization to a real time processor may be accomplished. Real-time processing requires the minimization of computer storage and operating time. Major steps can be made in this direction by increasing the resolution element area for processing (averaging over ~ 1 km in range as recommended in Section 5.1) and by reducing the number of peak detection operations. The latter can be accomplished by processing either tangential shear or Doppler spread data but not both as is currently done. Another time saving step is to reduce the volume of output by not preparing the fixed level contour plotting displays in the computer but doing the fixed contouring in the color display processor as is currently done for the output of digital integrators.

Preprocessing of the data for calibration, velocity ambiguity resolution, and conversion from variance to velocity spread will also save some time.

Current running time for reflectivity processing only but including fixed contour generation for display is 2 minutes per azimuth scan. By just doing the preprocessing, the running time could be reduced by more than a factor of two. The other reductions recommended above plus internal programming changes to reduce the use of indirect array addressing should result in a program that will do at least two data fields, reflectivity and tangential shear or Doppler spread, in real time (30 seconds per scan).

6.3 Spatial Analysis of Cell Development

The initial considerations of the forecast of new cell site locations indicates that improvements should be possible if attention is focused on the structure or organization of the cell location patterns. Processing to date has used the determination of nearest neighbor distances to obtain information about cell spacings. The nearest neighbor distances provide estimates of the locations of secondary maxima in the spatial correlation function for cell locations. Information on structure can better be obtained from more refined correlation function (or spatial power spectra) of cell location. These analyses should be conducted using a much larger data sample preferably for a number of different locations and storm types.

6.4 Morphological and Climatological Analysis

The programs described above are used to extract the significant information from a large volume of radar data. The result is still a formidable data set comprised of a number of lists of volume cell attributes for each scan, storm, and day. These data must in turn be reduced to a manageable set to describe the morphology of cell development. This analysis must be performed before any meaningful cell forecast procedures can be developed and tested. The analysis entails both the construction of new programs and the processing of large volumes of data.

REFERENCES

- Crane, R.K. (1976): "Radar Detection of Thunderstorm Hazards for Air Traffic Control Vol. I Storm Detection", Project Report ATC-67, Vol. I, MIT Lincoln Laboratory, Lexington, Massachusetts.
- Crane, R.K. (1977): "Parameterization of Weather Radar Data for Use in the Prediction of Storm Motion and Development", Final Report, Contract No. F19628-76-C-0264, Environmental Research & Technology, Inc.; AFGL-TR-77-0216, Air Force Geophysics Laboratory, Hanscom Air Force Base, Massachusetts.

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APPENDIX A

CELL DETECTION AND TRACKING PROGRAM INSTRUCTIONS FOR OPERATION

A.1 Description of Input and Output

Program input and output are depicted in Figure A1. The tape input format is given in Table A1. The control cards are discussed in section A2. The program produces (a) tapes of computed attributes for input to a second program for computing volume scans; (b) a plot tape is generated that can be stored for input to another program "EXPAND" which is a general purpose plotting package for plotting the fixed contours, centroids, cell identification and peak locations expanded over selected areas; (c) B-scan maps are also produced as an option; and (d) at the completion of a scan the program will print out fixed contour attributes, peak detected cell attributes and tangential shear maxima attributes. All of the attributes printed have identifiers which can be associated with the identifiers displayed on the expanded plots.

A.2 Control Card Format

Control card input to the program is NAMELIST input which allows certain parameters in the program to default or to be set to different values. The variable names, type (LOGICAL L, INTEGER I, and REAL R), dimension, default value and their meanings are listed in Table A2.

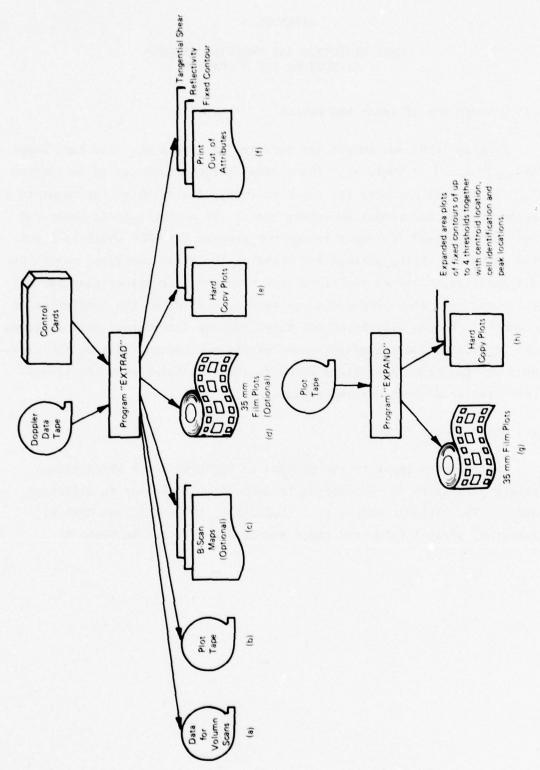


Figure Al EXTRAD Products

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y bit words			۰-			-0	2 µs	
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	ed in Par	lty.		If any g	roup A bit = 1 and an	y group B bit - 1:	PRF - 394	
				If A has	1 bit and B has 3 bi	ts: PRF = 794		
				If A has	3 or more and B has	1 or less: PRF - 1	613	
	1 = 158 8	lxty bi	it words	If A has	3 or more and B has	3 or more: PRF = 3	333	
If all zero for A and B groups: use an input PRF				If A has	2 bits or B has 2 bi	ts: PRF - Previous	PRF	
				If all z	ero for A and B group	s: use an input PR	u,	

2000

First cell is the 21st twelve bit data word.

TABLE A2

CARD FORMAT FOR PROGRAM EXTRAD

Reads in program parameters via NAMELIST format.

NAMELIST VARIABLES: (Level 780415)

NAME	TYPE	DIMENSION	DEFAULT	MEANING
PRINT1	L	1	FALSE	Unused.
PRINT2	L	1	FALSE	If .TRUE. print B-scan maps of mean and variance.
PRINT3	L	1	FALSE	If .TRUE. print B-scan maps of dBz.
PRINT4	L	1	FALSE	Unused.
ICODES	I	36	Blank thru Z then 1 thru 9.	Codes for representing dBz categories for B-scan map output.
A1	R	1	.13779	In the linear equation y = mx+b for computing coded dBz for B-
B1	R	1	1.5	scans, A1 = M and B1 = b.
A2	\$	1	.017	Unused.
В2	R	1	18.6	Unused.
CONTRZ	L	1	TRUE	If FALSE, do not process peak cell attributes.
CONTRV	L	1	TRUE	If FALSE, do not process reflectivity, shear, & spread.
CONTRS	L	1	TRUE	If FALSE, do not process shear and spread.
NFILE	I	1	0	Number of files on tape to skip before processing.
NUMF	I	1	1	Number of files on tape to process.
AC	R	4	-107.7, +1.97, -0.94, +.0018	Calibration coefficients for computing DBM below a threshold XCUT. (see XCUT)

NAME	TYPE	DIMENSION	DEFAULT	MEANING
COPLOT	L	1	FALSE	If TRUE, output a tape for plotting.
VOLTAP	L	1	TRUE	If FALSE, do not output an attribute tape.
CALM CALB	R R	1 1	.332 -98.3	In the calibration equation for DBM $y = mx+b$, CALM = M & CALB = b.
XCUT	R	1	10.0	Threshold value that determines which equation to use for calibration. (linear or non-linear)
СК	R	1	10.0	In the equation for computing dBz , $K+P+20ALOG10(S(I5))$ $K = CK$.
ZMAX	R	1	0.0	Not currently used.
VMAX	R	1	0.0	Not currently used.
NREC	I	1	1	Not currently used.
NUMR	I	1	999	Number of radials to be processed. Use, default value when doing full scan.
IRUN	I	1	0	Run number chosen by user.
INC	I	1	0	Not currently used.
STARTR	R	1	0.0	Where along a radial in kilometers processing is to start.
STOPR	R	1	300.0	Where along a radial in kilometers processing is to stop.
INPRF	I	1	3333	Value of PRF (Pulse Repetition Frequency) to be used when PRF cannot be obtained from the data tape.
SCALE	R	1	1.0	Scale factor for drawing fixed contours.
AE	R	1	1.21	Constant for computing heights of cells.
AA	R	1	300	Constant for computing rain rate.
BB	R	1	1.5	Exponent for computing rain rate.

NAME	TYPE	DIMENSION	DEFAULT	MEANING
X1	R	1	0.0	Frame size coordinates for fixed contour plotting. Less than or equal to 8 inches.
Х2	R	1	8.0	Same as above.
Y1	R	1	0.0	Same as above.
Y2	R	1	8.0	Same as above.
TV	I	1	35	Mean wind velocity in a fixed echo contour is not computed for dBz greater than this value.
TSV	R	1	106	Not currently used.
LDV	I	1	3	Cell detection threshold for reflectance peaks.
LTV	I	1	3	Cell detection threshold for velocity peaks.
LSV	I	1	3	Cell detection threshold for shear peaks.
ICOMP	1	. 1	6	Data compression factor. (range integration)
VMIN	R	1	0.0	Unused.
SVMIN	R	1	0.0	Unused.
AREAMN	R	1	1.0	Any completed contour having an area less than AREAMN will be ignored but is plotted if a fixed contour.
WAVEL	R	1	0.0542	Radar wavelength in meters.
VQUANT	R	1	10.0	Tangential shear quantization step $(m/s/km)^{-1}$.
SQUANT	R	1	2.0	Doppler spread quantization step $(m/s)^{-1}$.
RQUANT	R	1	1.0	Reflectivity quantization steps (in dB^{-1}).
DAZM	R	1	1.0	Beam width (degrees).

NAME	TYPE	DIMENSION	DEFAULT	MEANING
ESTART	R	1	(1.5°)	Elevation start angle (degrees).
DELT	R	1	(.5°)	Delta elevation angle (degrees) defining next scan.

NORTH[©] (KM)

APPENDIX B

PLOTTING PROGRAM 'EXPAND' (VERSION 1.0)

B.1 Description of Input and Output

Ñ

Program EXPAND utilizes the plot tape generated by program 'EXTRAD' as input to generate not only full scan plots of fixed contours and their centroids but on option will expand and plot certain areas of interest. Also on eption, it will plot out locations of centroids of fixed contours, peak detected cells, Doppler spread and tangential shear locals. These plotting options apply to full scan plots as well as expanded plots.

The plots are generated on the CALCOMP ink pen drum plotter. The X axis are labeled negative kilometers west of the radar and positive east. Y axis are labeled negative kilometers south of the radar and positive north. The date and elevation angle are also annotated.

B.2 Control Card Format

Control card input to the program is NAMELIST input which allows certain parameters to default or to be set to different values. The variable names, type, dimension, default and meaning are listed in Table B1.

It is suggested that program EXPAND generate full scan plots of fixed contours from the entire EXTRAD tape first before generating expanded areas of view. This allows one to examine exactly what each scan contains and where expansion would be of interest. One set of NAMELIST input cards are needed for each scan. If, for example, it is desired to go into the third scan on tape, three NAMELIST set ups must occur.

TABLE B1

CARD FORMAT FOR PROGRAM EXPAND READS IN PROGRAM PARAMETERS VIA NAMELIST INPUT

NAMELIST VARIABLES:

NAME	TYPE	DIMENSION	DEFAULT	MEANING
IPLT	L	4		
IPLT(1)	L		.FALSE.	If .TRUE. plot a dot to locate peak detected cells.
IPLT(2)	L		.FALSE.	If .TRUE. plot a C to locate fix contour centroids.
IPLT(3)	L		,FALSE,	If .TRUE. plot a + to locate Doppler spread.
IPLT(4)	L		.FALSE.	If .TRUE. plot an X to locate tangential shear.
Z1	L	1	.TRUE.	Plot fix contours for first level contour.
22	L	1	.TRUE.	Plot fix contours for second level contour.
23	L	1	.TRUE.	Always set to .FALSE.
24	L	1	.TRUE.	Always set to .FALSE.
LS	L	l	.FALSE.	When .TRUE. expanded area plots are requested. When .FALSE. draw full scan only.
XK1	R	1	-320.0	Western plot area limit (km).
XK2	R	1	320.0	Eastern plot area limit (km).
YK1	R	1	-320.0	Southern plot area limit (km).
YK2	R	1	320.0	Northern plot area limit (km).
LK	L	1	.FALSE.	If .TRUE. plot centroids of given areas.

*Note: Expanded plots will always square off any rectangular area request to the largest axis requested.

APPENDIX C

TRACKING PROGRAM (ASOCCL)

C.1 Description of Input and Output

The input tape is the tape produced by program "EXTRAD". This program takes the cell attributes and associate cells for tracking volume cells. The output listing includes the location of volume cells and the updated cell ID.

C.2 Control Card Format

Control card input to the program is NAMELIST input which allows certain parameters in the program to default or to be set to different values. The variable names, type (LOGICAL L, INTEGER I, and REAL R), dimensions, default values and their meanings are listed in Table C1.

TABLE C1

CARD FORMAT FOR PROGRAM ASOCCL

Reads in Program Parameters via NAMELIST Format

NAMELIST VARIABLES:

NAME	TYPE	DIMENSION	DEFAULT	MEANING
PR1	L	1	FALSE	When .TRUE. program prints out the input attributes data.
PR2	L	1	FALSE	When .TRUE. program prints out the initial volume cell attri- butes and the total number of cells.
PR3	L	1	FALSE	When .TRUE. program prints out the associated update cell attributes and the total num- ber of associated cells.
PR4	L	1	FALSE	Currently unused.
IDEV1	ı	1	1	Input tape or file.
IDEV2	I	1	1	Currently unused.
ISTOP	1	1	1	Stop program, when "0" continue processing.

APPENDIX D

COMPUTER PROGRAM LISTINGS AND SAMPLE OUTPUT

2	ESCRAH EXTRAO	74/74 OPT=2	2//20/50	21.4.0	-
					The state of
		PROCRAM EXTRAOTINATION COTPUT, TAPES SIMPJI, TAPES DIPOR, TAPEZ 250.	EXTRA		
		PROGRAM EXTUDO ERT NO. 162	FXTEAD		
-		r	STATE OF	•	
	v	JHW AFEL COC 6688	EXIMA	-	
		LOGICAL PRINTI. PRINTZ. PRINTZ. COPLOT. CONTRZ. CONTRY. CONTRS. VOLTAP T CST	181	• •	
		INTERER CHRO(3)	EXTRAG	=	
==		COMMON /PARMY PRINTI, PRINTZ, PRINTJ, COPLOT, ICODES (36), A1, B1, A2, B2,	1631	2	
		CONTRESCONTENEDATES APILES HOW SHEET HOME FOLTAP	181	١:	
		DATA CHRD/+HPARA,+MEXEC,+MCOMM/		3	
		CALL DAY		: 5	
13		KEND (5,11) KEY	EXTRAD	16	
	11	- 1	2	-	
		IF (EDF (97) 91,21,91	EXTRAD	::	
	13	CALL FASC	DEALER	12	
20	31	FORMAT (1H .A4)	EXTRAD	22	
		DO 61 K=1.3	EXTRAG	22	
		IF (KEY.EQ.CHRD(K)) 50 f3 (61,71,01), K	EXTRAD	23	
	10	CONTINUE	EXTRAU	22	
		WRITE (6,51)	EXIMA	S	
52	15	FORMAT (16H ILLEGAL KETADRO)	EXTER	2.0	
		60 10 31	TA STATE OF	-	
	00	* PARAMETERS * PACKASE.	EXTRAD	53	
	3		EXTRAD	-	
30	61	CALL INPARM	EXTRAD	31	
		20 10 1	EXTRAG	25	
	0		EXIMA	3	
	00	· EFECUTOR · MERAGE.	FXTEAD		
-			EXTRAU	38	
		50 TO 1	EXTRAD	37	
	2		EXTRAD	25	
	0	. COMMENTS CARS . PACKAGE.	EXIKAD.	55	
.,		CALL TAE (5)	EXTRAD	;;	
:			EXTRAD	25	
	v		EXTRAD		
	6	ENG OF JOB.	EXTRAD	*	
	o		EXTRAD	4.5	
4.5	16	COUNT (//ox 2) END CON	FXTRAD	97.	
	- 1		CHAIRS	-05	
		1	CACTAR		

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DIAGNOSIS OF PROBLEM

	NAME AND RESTRICTION OF THE PROPERTY OF THE PR	EXTERN	23
U	*********		23
0.	FOR PROGRAM EXTRAD ERT NO. 162	EXTRAD	26
, 5	JAW COC6600 AFGL		2
U	电电子电话 化电子电话 医电子 医电子 医电子 医生物 医水子 医医水 医医水 医医中毒性 医医皮肤 医医皮肤 医医皮肤 医医皮肤 医甲基甲基苯酚	EXTRAD	25
	INTI , PR	TEST	
	INTEGER 11 . 1V, TSV		66
ט	COMMON JOACHT COTHE DETHE POSTER FOREST TRADESTATE AT DE 12 DE	EXTRAU	99
	170174TA LANGUAGE CONTROL CALANTA CALA	1531	-
	COMMONATIVE IN THE TARGET OF STADE STADE SAME SOUTH	1551	۰ -
	TOTAL CATANACTURE TO THE TOTAL CONTROL OF THE TOTAL CATANACTURE TO THE	1551	
	COMMON /AZM/ AZMUTH(468), NA, ELEVAT, PRF, KEEP	EXTRAD	65
	COMMON /AIDZ4/ HVPIS, 10241	EXTRAU	99
	COMMON /VALMAX/ ZMAX, VMAX, AC (4), CALM, CALB, XCUT, DK, INC	EXTRAC	29
	COMMON ANDREA TOTAL TOTAL TOTAL COST CALL DAT TOTAL MORE MICE	EXTRAD	99
	COMMING ALL LINE TO THE CONTROL OF T	E P T DATE	-
20 02			: 2
	COMMON /HORED/ INPRF, SCALE, LOV, LTV, LSV	EXZ	1
	/STORE/	EXTRAD	73
	CUMMUN ZEXPANZ XI, XZ, YI, YZ, XMIN, XMAX, YMIN, YMAX	EXTRAU	2
	COMMON /ERROR/ IERR	EXTRAD	22
52	COMMON/FILTER/TAIRM, AREAN, DAZH	TESTI	2
	COMMON VELPRHY WAVEL	EXTRAD	1,6
	COMMON /QUANTX/ VQUANT, SQUANT, RQUANT	TEST	.
	**************************************	153	
36	TR.JR.KR.IMXJMX	TEST	11
	CORROR /FIXED/ ICIG, 22, 21, 1814, 22, 21, HPA, IERAK, NFC, ICVNI(2),	TEST	21
	T(120,2)	-	13
	COMMON /PRSTORE/ UP(200,3) NUP, TATRITO, 291 NUMAX, IACTITOT,	resi	1.6
			-
	COMMON /PVSTORE/ UV(200.7) .NUV.VATR(70.23) .NUMAX. I ACV(70) .	TEST	11
		TEST	18
		TEST	19
	COMMON /PSSTORE/ US(200.5), NUS, SATK(70.17), NSMAX, TACS(70),	TEST	02
0.4	1050 (251), IPIS8(251), IS8(30,25), IPBSN1 (30,25),	Itsi	12
	COMPONING THE CARLEST AND THE COMPONING THE	1631	"
	NA LENA LE	1 6572	3
o		EXTRAD	7.8
	DATA PRINTIA.FALSE. 7. PRINTZA.FALSE. 7. PRINTSA.FALSE. 7. COPLOTA. TRUE. EL	13	-
	+/.41/.443/.81/.56/.A2/.86/.32/18.6/.CONTR2/.TRUE./.CONTR/	EL	2
	*.IRDE. /.WILE OV. NOMF /337, WREC/I/, NOMR/99993/, CONTRS/.IRDE./	13	5
	** VOLIN FOLE /	TEST	22
2.0	DATA X1/0.00.X2/R.00.X1/B.00.X2/R.07.AF/1.21/. AB/600.7.68/1.21	1631	9,4
	10 10 10 10 10 10 10 10 10 10 10 10 10 1	EVYDAN	75
	DATA LI72.STARTA720.7.STDR7150.7.ICOMP.6.	FL	• •
	CATAL VALVE OF SYMMET STATE OF	TEST	-
	DATA TOW/0.0/, DN/0.0/, R4/256.0,512.0,768.0,1024.0/	EXTRAD	20
	DAYE PETUTUAL C. C. MES. 7. NZ	EVYDAN	
	2011 0111111111111111111111111111111111	24.42	00

				1.47.4	7841-841-145-145-146-145-147-145-146-145-146-1	1 H 4 /	TEST	32	
		ATAC	ZMAX/0.	G/. VMA	DATA ZMAX/0.0/, WMAX/0.0/, AC/-107, 76555, 1.9767838, 094297528, . 0001 EXTRAD	094297528,.0	BOI EXTRAD	35	
6.0		182263	16/.CAL	H/0.33	82263167.CALM/0.332/, CALB/-36.3/, XCUT/10.0/		EXTRAD	63	
		DATA	TITLE/7	HPROGR	DATA TITLE/THPROGRAM, TH EXTRAD, 1H , 1H , 1H ,		EXTRAD	*6	
		DATE	I RUN/U/	NPAGE	MTH IRON/U/, WPAGE/0/, I:30E/162/, VERS/2.87, LEVEL/788501/	788581/	13	9	
		DATA	INPRF/794/	146			13	1	
		DATA	ATA CK/18.0/. INC/8/	/.INC/	/8/		13	9	
65		DATA	SCALE /1	07.10	3ATA SCALE/1.0/,LDW/3/,_TV/3/,LSW/3/		1651	33	
		DATA	ATA IERR/8/				EXTRAD	66	
		DATA	DATA WAVEL / 0. 0542/	1.0542/			1631	34	
		DATA	VOURH!	10.07	FUURNIT/18.07. SQUANT/6.87. RQUANT/1.07		13	6	
		DATA	NIDF/12	141.70	N 10F / 120/ . IAT/5/ . Nº A/ 4/ . I EMAX / 22/ . NF C/2/		1651	36	
24		DATA	KHAX/30	J. JHXD	MIN KHRX/30/, JHXUB/50/, JHAX/66/, IAHAX/2640/, IR/4/, JR/50/, KR/22/,	7. JR/30/,KR/22	7, TEST	37	
		•	I HX JHX /24/, NCL/173/	24/ ,NC	37/173/		TEST1	•	
		DATA	N 10/280	/ . NOP/	DATA WID/286/, NOP/9/, WIDP/76/, NUMAX/29/		TEST	39	
		DATA	NVMAX/2	3/ .NUV	DATA NYMAX/23/,MUV/7/,NSM4X/17/,NUS/5/		1631	9	
		DRIK	DATA ESTARIZIOS/, DELIZOS	1.5/2	RELIV.57		13	-	
75	0	-	-	-	EXTRAD		EXTRAD	102	
			The same of the sa	-					

1	SUBROUTINE INPARM	EXTRED	104
	C\$ DEBUG	1651	41
	CS ARRAYS	1531	24
-			
	JHW AFGL	EXTRAD	101
		EXTRAD	100
		EXTRAD	109
	PRINTI, PR	FYTOAD	2:
	#### *### ############################		
		EXTRAD	113
	COMMON /PARMY PRINTI, PRINTS, PRINTS, COPLUT, ICUDESTS 63, A1, 81, 82, 82,	TEST	*
	+CONTRZ,CONTRY,CONTRS,NFILE,NUMF,NREC,NUMR,VOLTAP	TEST	45
15	COMPUN /VALMAX/ ZMAX, VMAX, ACTG), CALM, CALB, XCOT, CK, INC.	EXTRAD	91:
	COMMON THEADT ITELESTICS WERSTLEVEL, UNITABLE MELON	EAIRAD	111
	COMPONENT TOTAL TO	15511	0 -
	1.1 COMP. VALIN. SVALINES I AKI, DELI	2163	
28	COMMENCE ATTORNOOM AND	EXTRAD	121
	COLLEGE OF THE PARTY OF THE PAR	PATER	122
	COMMON /LOOKUP/ DBZARY(51) ZARY(61)	TEST	1.5
	COMMON/FILTER/THYRIN, BRIDAN, DR.ZH	TEST	-
	COMMON / ADDATA / IDAY, IHOJA, IMIN, ISEC, MIP, NSF, NDD, NRC	EXTRAD	125
52	CORROR /VELPRR/ MAVEL	EXTRAD	126
	COMMON /QUANTX/ VQUANT,SQJANT,RQUANT	1631	*
	CONFON /FIXED/ IC(4,22,2),18(4,22,2),WPA, IENAK,WFC, ICWN(2),	TEST	6.9
			20
		EXTEND	120
200	DAIR MECANICATION OF THE CONTRACT OF THE CONTR	2014	631
	NAMELIST /INPUT/ PRINTI, PRINTE, PRINTS, COPLOT, ICODES, A1, 81, A2, 82,	TEST	51
	CONTRZ: CONTRY; CONTRY; NO ILE; NOMF; AG; CALM; CALB;	TEST	25
	* XCUT, CC, ZHA X, VHA X, NRE C, NUMR, IRUN, INC, TL, LT, TDW,	TEST	53
35	42 TASTAST TO THE TAS	TESTZ	,
	TATE OF THE PARTY		66
		EXTRAD	135
	READ (5. INPUT)	EXTRAD	136
0.5	IF (EOF(5)) 111,1,111	EXTRAD	137
	I IF IL DV-LT: ZTUVV=Z	EXTRAD	136
	IF (LTV - LT - 2) LT V= 2	EXTRAD	139
	IF (LSV.LT.Z)LSV=Z	E X 2	
	IF (LSV.6F.3)LSV#3	277	0
64	IF (LIV.61.3) LV=3	27.5	
	17 (104-61:37104=3	24.5	
	TELLIFORD I T EN TONDO LE LE NAVI MENELLI	1651	22
-	C. HOOT IN THE TAIL OF THE	FRIDAD	160
20	04ZM=04ZM=0.017453	TEST1	=
	4K=4105101431789	EXTRED	141
	88=0.1/83	EXTRAD	142
	SCON≥149.89625*ICOM™	EXTRAD	143
	BR=BR* KOUANT	TEST	5.8
55	00 110 I=1.45	TEST	65

		X=TL(1)+1X-1	EXTRAD	145
	0		EXTRAD	146
19		PRESET FAIN RATE - 1 092 STEPS	EXTRAD	147
-	,	TRANSFITTIETH COURSE HET IN THE LESS	TANK .	100
	v		EXTRAD	150
		BUILD LINEAR 2 TABLE	EXTRAD	151
65	0		EXTRAD	152
		ZARR (IX)=1 C.** (FL DAT (JX) *RQUANT/10.)	TEST	29
	10	CONTINUE	EXTRAD	154
		IF C. NOT. COPECUTED TO 21	TEST	6.3
	11	SCALE= 8. 0/ (Y2-Y1)	EXTRAD	168
-		IF ((X2-X1),6T,(Y2-X1)) 5CALE=6.0/(X2-X1)	EXTRAD	169
		XMIN=SCALE*X1	EXTRAD	170
		KHAX=SCALE*X2	EXTRAO	171
		VMIN=SCALE*Y1	EXTRAD	172
		THAX=SCALE *YZ	EXTRAD	173
75	21	IF (.NOT.PRINT2) GO TO 51	EXTRAD	174
	5		EXTRAD	175
	0	PRINT ICODES VALUES.	EXTRAD	176
			EXTRAD	177
		משור איפר	CALKAU	110
		XII.E (0,31)		173
-	51	FORMAT (1H0.8x,13HCODE FOR MEAN,7x,5HVALJE,5x,12HCODE FOR VAR,7x,5	X,5 EXTRAD	100
	•	DO 61 1=1. 46	EXTRA	182
		17/1 = (I) 17/1	EXTRAN	1.83
85		IF (xA.LT.0.) XA=0.	EXTRAD	184
		XB=(FLOAT(I)-82)/A2	EXTRAD	165
	41	WRITE (6,51) ICODES(I), x3, ICODES(I), xA	EXTRAD	166
	15	FORMAT (15X,A1,9X,F3,3,11X,A1,9X,F9,3)	EXTRAD	187
	61	CONTINUE	EXTRAD	188
11		IF C.NOT.PRINTS) GO TO 101	EXTRAD	189
		CALL PAGE	EXTRAD	190
		RITE (6,71)	EXTRAU	161
	7.1	FORMAT (1H0,8x,13HC03E "OR 08Z,7x,5HVALUE)	EXTRAD	192
		00 61 1=1,36	EXTRAD	153
56		XA=(FL GAT (I)-81)/A1	EXTRAD	194
		IF (XA.LY.0.) XA=0.	EXTRAD	195
	91	WRITE (6,91) ICODES(I), (A	EXTRAD	196
	16	ORMAT (15X,A1,9X,F9.3)	EXTRAD	161
	101	CONTINUE	EXTRAD	190
100		ETUEN	EXTRAD	199
		MRITE (6,121)	EXTRAD	200
	121	FORMAT (30H END OF FILE IN NAMELIST INPUT)	EXTRAD	102

		THE EVIETT			EXTRAG	204
	0	************	***************************************			502
		PJP HODIFIED WZZVIT	27/77 HOD. 1.0		EXTRAD	206
	v	10 N 1.0	LEVEL=760316		EXTRAD	207
2	,	JHH AFEL CUC SOUR	9900		EXTRAD	200
		UNPACKING ROUTINE	UNFACKING KOULING.	************	FYTDAN	211
	, :	NE BIIG			TEST	49
-		SATE OF			TEST	69
10	;	LOGICAL PRINTI, PR.	LOGICAL PRINTI, PRINT2, PRINT3, COPLOT, CONTAZ, CONTAV, CONTAS, VOLTAP	TAV. CONTAS, VOLTAP	TEST	99
	-	INTEGER W.V.VS , SV. VB. VS	* V8 • VSI		ISI	19
		INTEGER TL			EXTRAG	221
	2				EXTRAD	522
		DIMENSION IN(158)			EXIKAD	977
15		DI MENSION DAY MSKI	OTHERSTON DAYMOK(3), IDATOR (3), MKHOK (2), IMKOF (2), MINHOK (2), OTHERSK (3), IMMOKED (3), IMM	SETTEN	FXTPAD	228
		THINST ICLI SECHSA	THE INSTITUTE OF SECURISHING THE SECURISH SECURI	NIT ON THE PARTY	16512	1
		X - I MX - I MN	Tout of the state		TES12	•0
	-	COMMON /JEL/VILLE	COMMON 746174 (173) 48(173) 45 (173) 54(173) 57(173)	(173).	TEST	69
20		SVICE	SVI (173), HI (173), HS (173)		TEST	70
		COMMON ZAZMI AZMU	JAZMI AZMUTHTG601.NA.FLEVAT.PRF.KEEP		EXTRAD	230
			/PARM/ PRINTI, PRINT2, PRINT3, COPLOT, ICODES(36), A1, 81, A2, 32,	ES(36), A1, 81, A2, 32,	TEST	11
			CONTRZ.COVTRY.CONTRS.WFILE, NOMF, NREC, NUMR, VOLTAP	NREC, NUMR, VOLTAP	TEST	21
		COMMON /41024/ HVP(3, 1024)	P(3, 1024)		EXTRAD	233
52		COMMON /VALMAX/ Z	MALMAX/ ZMAX, VMAX, ACTG), CALM, CALB, XCUT, CK, INC	,CK,INC	EXTRAD	534
		COMMON /ADATA/ ID	COMMON /ADATA/ IDAY, IMOJR, IMIN, ISEC, NTP, NSF, NDD, NRC	D. NRC	EXTRAD	235
		COMMON /HORED/ IN	COMMON MORED/ INPRF, SCALE, LOV, LTV, LSV		2 X 3	18
		COMMON/INSU9/ TLC	COMMON/INSUR/ TL(2), LT, FJ4, DN, STARTR, ST2PR, RN(4), SCON, CEL WTH(3)	41 . SCON, CEL WTH(3)	TEST1	12
		I, ICOMP, VAIN, SVAIN, ESTARI, JELT	I, ESTARI, JELT		115312	6.0
30		COMMON /AZZ/SINA,	COMMON /AZZ/SINA, COSA, DELTAZ, I SCANF, NEL		EXIMAD	633
		COMMON FERRORY TERR	XX		FXTPAD	245
	,	THE PUBLICATION	THE PUDDECT TYTY THE PROPERTY.		EXTURU	245
		000000000000000000000000000000000000000	00000		EXTRAD	242
-		consessory///sessons:	10008		EXTRAU	252
		000000000000000000000000000000000000000	00008		EXTRAD	548
		C 00 0 00 0 00 0 0 0 0 0 0 0 0 0 0 0 0	7178/		EXTRAD	250
		DATA DATMSK/00170	DATA DAYMSK/0017000000000000000000000000000		EXTRAD	251
-		.03500000000000000000000000000000000000	.80001		EXTRAD	252
6.0		274 0000 0000 000 000 000 0000 3/	10003/		EXILAD	562
		DATA HEMSK/UNDUNUITOUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNUN	L'addadadadadae.		CXTOAD	255
-	-	200000000000000000000000000000000000000	COLUCIO COLO COLO COLO COLO COLO COLO COLO C		CATORA	756
					EXTRAD	257
	-	DATA SECHENZAGA	DATE CEMENTOR DESCRIPTION OF THE CONTRACTOR OF T		EXTRAD	258
		200000160000000000000000000000000000000	10009/		EXTRAD	553
-	2	DATE IFFGWSK/0000	DATE THE GMSK/0000/777/0000000000000000000000000000		EXTRAD	260
		OA TA NSMSK / 00 00 00 00 00 00 00 00 00 00 00 00 0	000000000000000000000000000000000000000		EXTRAD	261
		DATA VPHSK/00000000000000000377037	1000000000000377037		EXTRAD	292
20		DATA MEANM2/00000	DATA MEANM2/00000000000000017778/		EXTRAD	263
		DATA ISGNMSK/0508	ISCHMSK/ 0500000000000000000000000000000000000		EXTRAD	264
		DATA ELMSK/0000000000000000000777.78/	300000000000077778/		EXTRAD	592
			DATA MERMITOGOGOGOTYYYJOOGOGOGOS		CYTOAD	252
		DATA VARMSKIZ DO BD	VAR MSKI/ BUBBBBBBBY // COUDS/		CALLAD	836
55		DALA PARASKI/DOGG	CALLA PHENSKIV COUGUSUS COUCUS		CALLAD	000
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C DATA NECREZAGO 000000000000000000000000000000000000		EXTRAD	272 273 274 274 275 276 276 277 277 277 277 277 277 277 277	
C DATA NEW NOW NO NATA LINE NATA LI		EXTRAD EX	277 277 277 277 277 277 277 277 277 277	
C DATA NODR DATA NIPH DATA NIPH DATA NIPH DATA INPR ELE IFILE		EXTRAD EX	275 275 275 275 276 276 276 276 276 276 276 276 276 276	
DATA NEWS DATA NEWS DATA PARK NEWS		EXTRAD	274 277 277 277 277 277 277 277 277 277	
C DATA RHSK DATA INRS DATA INRS DATA INRS DATA RHDT DATA INRS RECES IN RES		EXTRAD	276 276 278 278 278 278 278 278 278 278 278 278	
C C C C C C C C C C C C C C C C C C C		EXTRAD EX	277 277 277 277 277 277 277 277 277 277	
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0414 15EC 0414 0AZI 0414 RPOZ 0414 RPOZ 0415 RPOZ 0417 12 EN 1 FULE 1 1 FUL	60 TO 2	16512 16512 16512 16512 16512 16512 16512 16512 16512 16512 16512	291 113 114 294 294 294 294 294 294 294 294 294 29	
0.0474 RPD/0.0474 RPD/0.0474 RPD/0.0474 RPD/0.356 RPD/0.		TEST TEST TEST TEST TEST EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD	293 293 293 294 294 294 294 294 294 294 294 294 294	
0 ATA REDO 0 ATA REDO 0 EN 100C=36 EN 100C=36 EN 10C=30 1 FILE=0 1 FILE=1 1 FIL		TESTS EXTRAD TESTS TESTS EXTRAD	294 294 294 294 294 294 294 294 294 294	
		EXTRAD TESTS TESTS EXTRAD	293 296 296 297 299 300 301 313 313	
ENTODG=36 ENTODG=36 FILE E 1 FILE E 1 FILE E 1 FILE IF II FILE		TEST2 TEST2 EXTRAD TEST2	294 294 295 296 297 299 301 301 313 313	
FLE FILE F		EXTRAD TEST2 TEST2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
		EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD 16512 EXTRAD	294 297 299 300 300 13 14	
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I I I I I I I I I I		EXTRAD EXTRAD EXTRAD TESTS EXTRAD	3 13 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	
		EXTRAD EXTRAD TESTS EXTRAD	301	
15 CAN = 0 18 CG = SHIF 18		EXTRAD TEST2 EXTRAD	301	
REGSSHIF RECSSHIF REVSSHIF		EXTRAG TEST2	363	
NELEV=REV= EEV=7 FECEV= EF (EEEV=C) FF		TEST2	316:	
		1101	1	
12 D0 11 = 99 14 D0 11 = 99 15 C		1		
12 00 11 1=1 12 00 11 1=1 14 ZEND=1 15 00 11 1=1 17 11 1=1 17 11 1=1 18 11 1=9 19 19 18 11 1=9 11 59 (1) = -99 11 59 (1) = -99 12 10 4 10 1 = -99 13 10 4 10 1 = -99 14 15 15 15 15 15 15 15 15 15 15 15 15 15		TES12	27	
12 ERPE 12 00 11 =1 12 00 11 =9 W(1) = 99 W(1) = 99 11 SV(1) = -99 C C C C C C C C C C C C C	THE RESIDENCE OF THE PROPERTY	TEST2	- 11	
12 00 11 1=1 W(T) =0 W(T) = 999 V(T) = -99 US (T) = -90 US (T) = -90 U		EXTRAD	305	
12 D0 11 =1 U11 = 1 U1		EXTRAD	306	
N(1) = 999 V(1) = 999 V5 (17 = -99 V5 (17 = -99 V6 (17 = -99 V6 (17 = -99 V7 (17 = -99 V6 (17 = -99 V7 (17		ESI	12	
11 SV(I)=-99 12 SV(I)=-99 13 SV(I)=-99 14 SV(I)=-99 15 SV(I)=-99 16 SV(I)=-99		EXTRAD	200	
11 SV(I)3=99		EXTEND	310	
0 0 0 21 IOAY=0	.	EXTRAD	311	
21 IDAY=0		EXTRAD	312	
212	UNPACK DAY HOUR MINUTE SECOND AND STATUS FLAGS.	EXTRAD	313	
12	3	EXTRAD	316	
	A CONTRACTOR OF THE PROPERTY O	EVYDAN	216	
	TO A THIS TO A CONTRACT TO A C	FXTRAD	317	
TOTAL PROPERTY OF	-	EXTRAD	318	
		EXTRAD	319	
11 25 121.7		EXTRAD	320	
-1) -+ 01 - 11 ONE = 14 ONE +10 + (1 -	IHOUSE IHOUR + 10 ** (I - 1) *S 4 FF (IN(1) . AND. 4 PMSK(I) . IMRSF1(I))	EXTRAD	321	
52		EXTRAD	322	
IMIN=0	w	EXTRAD	323	
2,1=1,2		EXTRAD	324	
	MIN=IMIN+10** (I-1) *SHIFT(IN(1) .AND. MINHSK(I), IMINSFT(I)) E	EXTRAD	325	
110 27 CONTINUE		EXTRAD	326	
IHHME=1400K-100+1MIN		1 4572	910	
1586=0		EXIMAD	356	
20 29 1:1,2	00 29 1=1,2	EXTRAD	328	

110	29	STREET	And the second second second second second	FYTOAN	****	
		NIDE CHIEF CHIEF . AND . NIDECK OI		EXTERE	220	
-	-	AND		EVTORU	112	
				EXTRAD	333	
		RAC=SHIFT(IN(1) . AND. NOTYSK, -3)		EXTRAU	334	
120	o			EXTRAD	335	
		UNPACK PRF AZITUTH, AND ELEVATION.		EXTRAD	336	
-				EXTRAD	337	
		K=SHIFT(IN(2) .AND. MMS(.4)		EXTRAD	338	
		NESHIFT(IN(2) . AND. KMS(,11)		EXTRAD	339	
125				EXTRAU	340	
		יו וויי וייים מיווים וויים וויים זו וויים זו		CALKAD	1	
				EXTOAD	245	
-	-	7 1-1 7		CYTORD	27.5	
1 20		1965=20000		CASTAR	377	
		IF (CIEFG. AND. N). NF. C) 12= 12+7		EXTRAD	346	
		IF ((1FFG, AND, K), NF, 0) 13= 13+1		FXTRAD	34.7	
-	31	CONTINUE		FXTRAD	348	
		IF (14 .FO. 1. AND . 19 . FO. 1) PRF= 394.		FXTRAD	340	
135	-			EXTRAD	350	
		IF (JA.5E. 3.4NC. JB. E. 1) PRF=1613.		EXTRAD	351	
	-	IF (JE.CF. 3. BNC. J8.GE. 3) PRF=3333.		EXTRAD	152	
		50 10 51		FXTRAD	353	
-	51	CONTINUE		EXTPAD	354	
140		IRFG=SHIFT(IN(2) .AND. 12MSK.24)	*	EXTEAD	355	
-	-	424UTH (NA) = IPEG*ENTOOG		TEST2	19	
		IREG=SHIFT (IN(2) .AND. SLHSK, 0)		EXTRAD	357	
				11572	- 02	
		IF (ELEVAT.67.180.) ELEVAT=ELEVAT-350.		EXTRAD	359	
145	U			EXTPAD	360	
	0			EXTRAD	361	
		NSF IS SUBFRAME.		EXTRAD	362	
	0			EXTEAD	363	
		K=NSF*256+1		EXTRAD	364	
150		XEA LAN		EXTRAD	365	
	3 (EXIMA	200	
-	3 6	UNPAUR FIRST DATA MUSU.		EXIMAD	367	
	,	TAKE TEMPER TOWNS TOWNS THE SECUTION OF THE SE		EXIKAD	368	
5		MUPIZACIE SHIFT (THEST LAND, JERNEYE - 17)	AND IN CASE OF PERSONS ASSESSED TO SEE SANDONE	FYTER	370	
		0.4		EXTRAD	373	
-	-		Contract contract contract contract and	EXTRAD	372	
	c			EXTRAD	373	
	0	UNPACK REMAINING DATA.		EXTRAD	374	
160	O			EXTRAD	375	
	19	TO E5 I=1,3		EXTRAD	376	
				EXTRAD	317	
		1 121,5		EXTRAD	378	
		.EG. 1 .4NJ. (3 .EJ. 1 .0H. J .EG.		EXTRAD	375	
155		.AND. (J .EJ. 1 .0R. J		EXTRAD	380	
		(J . £2. 2 . 0R. J . £9.		EXTRAD	381	
		Z .AND. (J .E7.		EXTRAD	382	
-		. LAND. CJ. 12.		EXTRAD	303	
179		HET CTNEN		FITORO	7 00 2	
	-			CATONA	200	
		Telen		CAIRAU	300	

		63 CONTINUE	EXTRAD	367	
C	-	-	CANADA	000	
The control of the	175		EXTONO	100	
C D 7			EXTPAD	351	
C PAKE-SHIFTHWEILED NA) IDADRSK111 EEG-SHIFTHWEILED NA) IDADRSK111 EEG-SHIFTHWEILED NA) IDADRSK111 EEG-SHIFTHWEILED NA) ISCHNISK111 EEG-SHIFTHWEILED NA) ISCHNISK111 EAG-SHIFTHWEILED NA) EAG-SK11 EAG-SKIPTHWEILED NA) EAG-SK11 EAG-SHIFTHWEILED NA) EAG-SK12 EAG-SKIPTHWEILED NA)			EXTRAD	3.5	
C			EXTRAG	363	
FIRES.FICTIVITY (F. 1)			EXTRAD	394	
THE CLOTAL DIMPRILITY THE	1.80		EXTRAD	362	
The control way (1, 11 = 1,		HVP (1. I) =HVP (1. I) . 4ND. MEANNZ	EXTRAD	356	
C PARSES SHIP (HWY CE, 11, AND, PARSK, -11) C PARSES SHIP (HWY CE, 11, AND, PARSK, -11) C PARSES SHIP (HWY CE, 11, AND, PARSK, -11) C PARSES SHIP (HWY CE, 11, AND, PARSK, -11) C C C C C C C C C C		IF (IREG. 6T.0) MVP(I, I) = - NVP(I, IV	EXTRAD	397	
WHY			EXTRAD	398	
C		MVP(2,1)=SHIFT (MVP(2,1) .AND. VPMSK,-3)	EXTRAD	359	
NUMPTER NUMBER	165		EXTRAD	400	
CONTINUE GET NEXT TAPE \$EC040. ENTRAD			EXTRAD	401	
C			EXTRAD	402	
SETTING SETTING SETTING SETTING SETTING SETTING			EXTRAD	4115	
FUND FUND FUND FUND FUND			EXTRAD	90%	
### 12 19 11 11 12 12 12 12	190		EXTRAD	407	
The control of the			EXTRAD	904	
201 WRITE(6.21) WESSHIP (INIT) .AND. WECHST. 3) WESSHIP (INIT) .AND. WECHST. 3) WESSHIP (INIT) .AND. WIPHST. 9) REGSHIP (INIT) .AND. WIPHST. 9) REGSHIP (INIT) .AND. WIPHST. 9) REGSHIP (INIT) .AND. AZHST. 24) RETRED RETR			EXTRAD	50%	
91 WC=SHIFILINII) AND ANDRESS, 3) N=SHIFILINII AND ANDRESS, 3) N=SHIFILINII AND ANDRESS, 3) N=SHIFILINII AND ANDRESS, 4-7) IREG=SHIFILINII AND ANDRESS, 24 IREG=SHIFILINII AND ANDRESS, 24 IREG=SHIFILINII AND ANDRESS, 24 IREG=SHIFILINII ANDRES			EXTRAD	410	
NF SAIT FILLING AND AN FIN FICE			EXTRAD	1119	
IF NG. P. NG. NP. NG	195	NP=SHI FT (IN(1) . AND. NT PMS(, -9)	EXTRAD	412	
N=S=SHFFT (INIT) = AND. ASSK\$7)		IF CO. HE . NRC. OF . NP. NE. NI PI GOTO 121	EXTRAD	413	
TESTED T		NS=SHIFT(IN(1) ANO.NSHSK7)	EXTRAD	414	
TEST2 AT STREEGEN TOOK AT		IREG=SHIFT (IN(2) .A45. AZHSK,24)	EXTRAD	415	
IRES-SHIFT(INCR) - NAND. NAC GE. NS) - UK. AZ EU. AZRUJH(NAN) - GOTO ZI EXTRAD - GETTE G			TEST2	21	
	200	IF (TAS - GAL) NAS - SAND NAS - GE - NS) - OK - AZ - EQ. AZ MOTH (NA) GOTO Z	EXTRAD	417	
	-	TREGENITION OF THE PROPERTY OF	16512	22	
C FINISHED FEDILAL, 152 FOR ENU OF SCAN DAZAZ-AZHUTH(NA) DELTAZ-ENAZ -AZHUTH(NA) IF (ABSIGAZ), GT.DAZT) GO TO 101 IF (ABSIGAZ), GT.DAZT) GO TO 101 IF (ABSIGAZ), GT.DAZT) GO TO 141 IF (ABZE-Z-AZHUTH(NA) DELTAZ-DAZ IF (ABZE-Z-AZHUTH(NA) DAZS-Z-SIGH(1.0AZ) IF (ABZE-Z-AZHUTH(NA) DELTAZ-ABZIGH(1.0AZ) IF (ABZE-Z-AZHUTH(NA) DELTAZ-ABZIGH(1.0AZ) IF (ABZE-Z-ABZIGH(1.0AZ) IF (ABZE-Z-Z-ABZIGH(1.0AZ) IF (ABZE-Z-Z-ABZIGH(1.0AZ) IF (ABZE-Z-Z-Z-ABZIGH(1.0AZ) IF (ABZE-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-Z-			15512	53	
DAZ=AZ-AZNUTHINA) CATALOR CATA		TILLICATION THE TOTAL THE TOTAL CONTRACT CONTRAC	21631	*3	
THE CONTROL	205	DAZ=AZ-TATHENAS	EXTUAN	000	
If (ABS(UAZ).GT.DAZT) GO TO 101 If (ABSCUAZ).GT.DAZT) GO TO 101 If (ABSCUAZ) GO TO 141 If (ABSCUAZ).GT.DAZT) GO TO 121 If (ABSCUAZ).GT.GT.DAZT) GO TO 121 If (ABSCUAZ).GT.DAZT) GO TO 121 If (ABSCUAZ).GT.DAZTO TO 121 If (ABSCUA		7 812 7 7 1 1 1 1		-	
DA ZS=SIGNTIDA ZP If (As.Eq. 10.10A.F=0.0A.S) If (As.Eq. 10.10A.F=0.0A.S) If (As.Eq. 10.10A.F=0.0A.S) If (As.Eq. 10.10A.S) OEL TAZ=ATRUTHTRAD		IF (ABSCOAZ) GT.DAZT) GO TO 101	FXTPAD	121	
IF (IAA.EG.130AZE) GO TO 141 IF (IAA.EG.130AZE) GO TO 141 IF (IAA.EG.130AZE) GO TO 141 IF (IAZEACAE) GO TO 141 IEXTRAD IEXTR	-	DE 25 S TON 11 - D 8 21	EVENTE	1.77	
101 AZ=AZ=BG0.0AZF 010 AZ=AZ=ASG0.0AZF 02 EZ=AZ=BG0.0AZF 02 EZ=AZ=BG0.0AZF 03 EZ=AZ=BG0.0AZF 04 DAZS=SIGN(10AZ) 141 DAZS=SIGN(10AZF) 15		IF (NA EQ. 1) DAZ F=DAZS	FXTRAD	423	
101 AZ=AZ+3560.*0AZF 004.7278-727401HTKAJ 004.7278-727401HTKAJ 004.728-2164110AZP 1F (104.70.427) G3 T0 121 141 D4.25=4.7401110AZP 154 D4.25=5.504110AZP 155 D5.25=5.504110AZP 156 D5.25=5.504110AZP 156 D5.25=5.504110AZP 157 D	210		FYTOIN	76.7	
DAZ=AZ-AZMUTHIRA DAZ=AZ-AZMUTHIRA DAZS=SUGA1.67.DAZ71 6.7 TO 121 EXTRAD 4 DAZS=SIGN(10AZ) EXTRAD 4 DAZS=SIGN(10AZ) EXTRAD 4 DAZS=SIGN(10AZ) EXTRAD 4 DAZS=AZMUTH(1) EXTRAD 4 DAZS=AZMUTH(1) EXTRAD 4 DAZS=SIGN(10AZ) EXTRAD 4 DELTAZ=ABSIGN(1.AZ*RD) EXTRAD 4 DAZS=SIGN(10AZ) EXTRAD 4 DAZS=SIGN(1.AZ) DAZS EXTRAD 4 DAZS=SIGN(1.AZ) DAZS DAZS DAZS=SIGN(1.AZ) DAZS DAZS DAZS=SIGN(1.AZ) DAZS DAZS DAZS=SIGN(1.AZ		AZ=AZ+360. *0AZF	EXTRAD	425	
OELTAZ=DAZ OELTAZ=DAZ OF TO 121 EXTRAD FETTRAD OF TO 122 OF TO 123 OF TO 124 OF TO 125 OF TO 124 OF TO 124 OF TO 125 OF TO 124 OF TO 125 OF TO 124 OF TO 125 OF TO 125 OF TO 124 OF TO 125 OF TO 1		(EX)HLDEZE-ZE=ZED	FXTRAD	676	
THE TABSTOATS, GT.DAITS GT TO 121 THE TOATE ALL ALL COMTON THE TOATE ALL CANDON THE TOATE ALL CANDON THE TOATE ALL CANDON THE TOATE ALL CANDON THE TOATE ALL COMTON THE TOATE ALL COMTON ALL COMTON THE TOATE ALL COMTON ALL C		DELTAZ=DAZ	EXTRAD	427	
DAZS=SIGN(1.,0 AZ)		IF (ABS(DAZ), GT, DAZT) G3 T0 121	EXTRAD	428	
141 DAZE=AZ-AZAZDAZDI GO TO 121 141 DAZE=BZ-AZAZDAZDI AZENO 1	215	DA 25=5 IGN (1., 0 A2)	EXTRAD	429	
141 DAZE=AZ-AZNUTH(1) DAZE=AZ-AZNUTH(1) DAZES=SIGNII(DAZE) TETRAS TORZET.6T.0AZE) TETRAS TORZET.1.0AZE) TETRAS TORZET.1.0AZE) TETRAS TORZET.1.0AZE) TETRAS TORZET.2.0AZE) TETRAS TORZET.1.0AZE) TETRAS TORZET.2.0AZE) TETRAS TORZET.1.0AZE)		IF (DA & NE. DA ZS) G3 TO 121	EXTRAD	430	
IF (ABS DAZE).Gr.JAZT71AZE4J=U			EXTRAD	431	
DAZESSIGN1DAZE) DAZESSIGN1DAZE FERBS (DELTAZANJ.IAZEND.EQ.D.AND.DAZES.EQ.DAZFIGO TO 122 EXTRAD 4 FERBS (DELTAZABS) (DELTAZA		IF (ABS (DAZE) . GT . DAZT) IAZEND = D	EXTRAD	4.32	
F(ABS GAZE).L'.DAJT.AN).IAZEND.EQ.O.AND.DAZES.EQ.DAZF)GO TO 122 EXTRAD 4 CELTAZ=ABS(DELTAZ=RPO) FEST ELCHELEVELEVELEVAT.GC.DE.TSGO TO 121 ELCHELEVELEVELEVAT CALL COMPZ CALL COMPZ		DAZES=SIGN(1.,DAZE)	EXTRAD	4.33	
DELTAZ=ABSIOEL1AZ*RPO) TEST2 TEMBS TELEVEEVAT TEND TEST2 TEND TEST3 TEST4 TEST4 TEST4 TEST4 TEST4 TEST4 TEST5 TE	220	IF (A BS (DAZE). LT. DAZT. AND. IAZEND. EQ. 0. AND. DAZES. EQ. DAZF) GO TO 122	EXTRAD	434	
F (ABS FLE - ELEVAT)	•	DELTAZ=ABS(DELTAZ*RPD)	TEST2	52	
ELEV=ELEV+ELEVAT TEST1 CALL COMPZ CALL COMPZ CALL CONTOR TEST TES		IF (ABS (EL-ELEVAT) GT DE TT GO TO 121	TESTZ	92	
CALL COMPOX		ELEV*ELEV+TEVAT	TEST1	16	
CALL CONTOR TEST		CALL COMPZ	EXTRAD	435	
NA=NA+1 IF (NA .GT. NUMR)GGT3 121	225		TEST	92	
FXTBAD			EXTRAD	199	
		IF CNA .GT. NUMPSGOTO 121	04040		

SUBRI	SUBROUTINE EXTRAT	AT 74/74 OPT=2	114 4. 50 4 CB	03/04/10	71.00.03	
				EXTEXE	277	
***		TECANGE TO SCAN		1 6512	12	
653	777	72 84 84		EXTRAG	955	
	111	16 OF =1		EXTRAD	144	
		TOTAL SOL		EXTINA	848	
		16 INA. 15.1 03GO TO 132		EXTRAD	644	
21.6	***	TEFTUTETET	The state of the s	TEST	1.8	
633		150416 = 0		TESTI	19	
-	-	LI EU-ELI EULE	and the same of th	TESTI	0.2	
		DELTAZ=485(42HUTH(NA)-12HUTH(NA-1)))+RPD		TES12	2.6	
		7/10 2 11/2		11831	22	
246		CALL CONTOR		TEST1	23	
	-	TECHNETISCANT	The state of the s	TEST	12	
		ELFVAT = FLEVNA		11811	52	
-	-	CALL COUTRY	The state of the s	TEST	11	
	132	OF WIND		EXTRAD	455	
300	-	The state of the s		EXTRED	456	
-		TE CECELOTTE METTE COLLOAN, INAMM, IEND		16512	52	
-		16 115 16 10 11 CA TA 181	The second secon	EXTRAU	154	
		TE CAR CE MINDS OFFICEN		EXTRAD	458	
-		בעות צ	The state of the s	EXTRAG	665	
250	181	WEITE 16.191)		EXTRAD	160	
200	-	The state of the s		EXTRAD	195	
		TELTETIF .LT. NUME+WFILED GO TOZ		EXTRAD	794	
-	101	FORMET CIGH FOF READ ON JULY 13	The second secon	EXTRAD	195	
	211	FORMAT (21H PARITY ERR 3N UNIT 11		EXTRAG	464	
326	121	Natital	The same of the sa	EXTRAG	595	
	***	ENO		EXTRAD	994	

10 CS SUSCIPLED COMPT 5 C	SUBJECT TO THE COMPZ DESIGN SUBJECT STATES JH M. G. C.	EXTRA 0 EXTRA 0 EXT	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	59.79, 951 39.79, 951			
	EVEL 761113 C6600 SV.V9.VS. W. 7474,747,747,740,76EFTW,7424IN,5VT35F5127 W. 7474,743,743,743,743,743,743,743 WITH(6.0), 14, ELEVAT, P.E. F. EEP MITH(6.0), 14, ELEVAT, P.E. F. EEP MITH(6.0), 14, ELEVAT, P.E. F. CO. CL2, 17, 1737 DW, 5144,745,740,745,740,745,740,745 CL2, 17, 1737 DW, 5144,745,740,745,740,745,740,741,741,741,741,741,741,741,741,741,741		######################################	
	C6600 C6600 SY, 79, 951 WP (3, 1877 WP (4, 187 WP (4, 1877 WP (4, 1877 WP (4, 1877 WP (4, 1877 WP (4, 187 WP (4, 1877 WP (4, 1877 WP (4, 1877 WP (4, 1877 WP (4, 187 WP (4, 1877 WP (4, 1877 WP (4, 1877 WP (4, 1877 WP (4, 187 WP (4, 187		4444 4444 444 00077770007770000000000000000000000	
	7 YO , 7 ELT IV, 7 K 2 M IN 15 V I X 3 (5) Z 3 ELE VAI, PRE, KEEP 14, 15 EC, MI P. MS, NOS, NGC 16, 15 EC, MI P. MS, NOS, NGC 17, 15 EC, MI P. MS, NOS, NGC 17, 15 EC, MI P. MS 17, 15 EAMF, NEF 17, 15 EAMF, NEF 18, 17 S 3 H 3 H 3 H 3 H 10 P, 1 MC 18, 17 S 3 H 3 H 3 H 17 S 1, NGC, NID H 10 P, 1 MC 18, 17 S 3 H 3 H 3 H 17 S 1, NGC, NID H 10 P, 1 MC		7.7.4.0.4.0.4.0.0.4.0.4.0.4.0.4.0.4.0.4.	
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0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	740.78ELTI4, 94241N.5V17315127 .ELEVAT.PRE. ACEP .CLE, 04M. 04M. 340.0, NRC .MIN. 15EC, NT P. NSF. NOO. NRC .MIN. 15EC, NT P. NSF. NOO. NRC .MIN. 15CO.NT P. NSF. NOO. NRC .MIN. 15CONF. NEF .MIN. NRC .MIN. N			
5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	######################################		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
0 0000	59.99.95 34.7474,777,770,775LFIN;7424IN;5VT335512T HPC3,1024) HITH(\$63).44.5LEVAT,P2F.6EEP ZAK,WAK,AG(4).6ZLH,GAL9,XOUT,GC,ING 10A.17034.1114.155C,NTP.NSF,XOUT,GC,ING 114.5124.003.12114.155C,NTP.NSF,XOUT,GC,ING NA.020.312LTA2.150ANF,NET NA.020.312LTA2.150ANF,NET AAYEL AAYEL 73).41(173).45(173).46(173).46C,NID;4IDF,INGL 73).48(173).45(173).45(173),45(173),	EXTRA 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4444 44 44 44 44 44 44 44 44 44 44 44 4	
0 00 00 0 E	797,797,797 797,797,797,797,797,792,792,792,793,793,793,793,793,793,793,793,793,793	EXTRA 6 C C C C C C C C C C C C C C C C C C	24444 44 44 44 44 44 44 44 44 44 44 44 4	
0 0000	### ##################################	EXTRA 0 EXTRA 0	######################################	
,	MYP(3,1024) MIN(460), M4, ELEVAI, P2F, KEEP ZAAK, WHAKAO (M, CALM,	EXTRA 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14 44 44 44 44 44 44 44 44 44 44 44 44 4	
00 b 0 8 8 E	#UTH (#88), W., ELEVAT, PRF, KEEP ZMAK, WHAKAD (%), GALH, GABB, XOUT, GK, INC ZMAK, WHAKAD (%), GALH, GABB, XOUT, GK, INC IDAY, LIDJA; IHIN 15EC, NTP, NSF, WOD, WRG L(Z), LT, TDH DIK, STARTK, STDPR, RNTT, SCON, DEL HTH 31 IN, ESTRAF, DEL MAKCL, DELT MAKCL, SEL MAKCL, MAKCL, SCONF, NEF MAKCL, MAK	EXTRAD EXTRAD TESTI EXTRAD EXTRAD EXTRAD EXTRAD TESTI TESTI	000410400940 100041000000000000000000000	
0000 E	ZAAK, WAK, AGIN, GALM, GAB, XOUT, GK, INC. IDAY, INOJA, IMIN, ISEG, NIP, NSF, NOD, NSG LL(2), LT, TAMONT, SIDAK, SIDAK, RNCH, SCON, DEL MTHL 31 IN, ESTAKT, GELT NA, GOSA, JELTAZ, ISCAMF, NEF AAAEL WOUNNI, SQUANT, ROUANI 733, 48(173), 48(173), 48(173), 48(173),	EXTRAD EXTRAD TESTS EXTRAD EXTRAD TESTS TESTS		
2000 BB1 BB1 BB1 BB1 BB1 BB1 BB1 BB1 BB1	10 K., 100 JR, 1810, 18EC, 18 P. NSF, NOD, NSC 11(2), L.T. JOHNEST ARTS, STDPR, RNT 47; SCON; CEL 4TH 131 14. ESTARCH STATEST ARTS, STDPR, RNT 47; SCON; CEL 4TH 131 18. ESTARCH SCAN, SCANF, NET 18. ART RNY, AREL MN, DUZN 18. ART RNY, AREL MN, DUZN 18. ART (173), VST(173), FRCL (173), NCC, NID; NID; INCL 18. ART (173), VST(173), SVT(173), NCC, NID; NID; INCL	EXTRAD TEST: TEST: EXTRAD TEST: TEST: TEST: TEST:	14	
00 b 0 8 8 E	L(2), LT, TD#, DK, STX RTK, STDPK, RNTT), SCON, DEL MTHR 31 TA ESTACT, DELT MAKCOA, DELTAZ, LSCAMF, NEF MAKEL, MAKEL MAKEL, MAKEL MAKEL MAKEL MAKEL, MAKEL MAKEL MAKEL, MAKEL	TEST: EXTRAD EXTRAD EXTRAD TEST: TEST: TEST:	4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
0000 EE	IN.ESTART.DELT NACOSA,JELTAZ,ISCANF.NEF MAKEL AAKEL AAKEL AAKEL AOUANI,SQUANI,ROUANI 731,MI(ITST;VJITTST;HRI(ITST),NDE;HIDFFINGL 733,48(1733,48(1733),84(1733),	EXTRAD EXTRAD EXTRAD TEST TEST TEST		
0000 E	NA, COSA, JELTAZ, ISCAMF, NEF MAYEL VOUWNI, SQUANT, RQUANT 73), AI (173), VJ (173), VGE, NIDTNIDP, INCL 73), 48 (173), 45 (173), SY(173), 45 (173),	EXTRAD EXTRAD TEST1 TEST TEST2	\$ 00 00 00 00 00 00 00 00 00 00 00 00 00	
0 e b c 8 E	MAYEL ATRWI, AZIAMI, DUZM YOUSHI, SQUSHI, SQUSHI 73), AI(173), YJT1737, HKL1737, YDC, HIDTHIOF, IMCL 73), YB(173), YS(173), SY(173), YSI(173),	EXTRAD TEST1 TEST TEST2 TEST2	4 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
0000 8 8	ATRAN, AREAHN, DAZM YOUAN, SQUANT, RQUART 731, AILLYST, VUTLYST, HRCLTST, NGC, NIDTRIDF, INCL 731, 48 (173) , 45 (173) , 54 (173) , 45 (173) ,	TEST1 TEST2 TEST2	3133	
0000 E	'YOUNN', SQUANT, RQUART 73), WI(173); YUTI737; WRC(173), WDC; WID; WIDF 73), 48(173), 45(173), S4(173), 45(173),	1 EST2 1 EST2 1 EST2	313	
0 e b c 8	73),41(173),701(173),444(173),405,4105,1405,140 73),48(173),48(173),84(173),431(173),	1 6572	32	
	73), 48(173), 45(173), 54(173), 451(173),	1 55 12	32	
00 0 0 E E	(3), (8) (1/3), (5) (1/3), (5) (1/3),			
0 c b c c c c c c c c c c c c c c c c c	Treate and	ESI	62	
30 B G G G G G G G G G G G G G G G G G G	34111/31,4111/31,43(1/3)	0	90	
20 100		FXIERO	4 4	
101	HOMBER OF RANGE CELLS TIME.	EXTEAD	154	
1961		EXTRAD	422	
100		115371	58	
8 8	0 100	EXTRAD	161	
100		EXTRAD	554	
100	The second secon	EXTRAD	954	
E F	the first see that the see that the see that the see the first see	EXTRAG	155	
Ä	2	1 5511	200	
Ä		EXTERD	200	
13 [4	VCON2= (VCON*2047.) - (VCON*2047.) - 0.0.2028 /511.50 JA4T*500AVI	1 6571		
:	2	1651	. 60	
VCON=VCON*VQUANT VHX=VCON*1024 VHX=VCON*1024	SVTABILY) = IFIX (SDRT (40042*FLOXTTIX=1TT)	TEST1	32	
VMX=VCON*1024		1631	11	
() I		EXTRAD	505	
		EXTRAG	503	
AND THE PROPERTY OF THE PROPER		EXTRAD	204	
F + C + Odd Chiarky	The state of the s	EVICE	500	
15KP=6		16512	22	
MASTORP-1300./	###STOP#+1000./(SCO++CE1#T+CMTF+1)+FLOAT(100MF)+1+10KP	1 6512	34	
5g FM=HING(MM,NW)-1		16571	34	
ME CHAP IS CP / I C CMP		TEST2	35	
INCL =N +2	The second secon	16512	36	
TH (INCL. 61 -NCL) INC. ENG	INC. = NC.	21231	37	
I MX = N+ I		16512	3.5	
		EXTRAC	2.0	
C COMPAESS DATA BY ICOMP	ICOM	Ex 1940	606	

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	100 Mail CO*F + 113 x F	EXTRAD	513	
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		16012		
	221-011-4-011-8081	EVIENT	213	
ur.	0.00	Serve	2.13	
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		CALLERO	216	
	21.1	CALLAN	213	
		EXIKED	126	
	10001	ExTRAD	521	
	DO 1 INCIDEL.	EXTRAG	525	
***	LAF Callef C+mvP (1,1x)	EXTRAD	523	
	TVP II. JIE 1 PEC / ICOND	EXTRAG	524	
*	20 x 1 x 20 x 20 x 20 x 20 x 20 x 20 x 2	FRIPAD	525	
2		EXTERIO	57.5	
. 6.3	200 2110 200	Errean	8.20	
		CALLERY	222	
	THE STATE OF THE S	CACTAR	22.5	
		20121	533	
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		20000	200	
,		CALLED	376	
	2.	CALLY T	222	
	VALUE STATES TO SELECT (STATES STATES	EXTRAD	536	
	7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	EXTRAD	537	
	MIPLENTE	EXTRAG	538	
	DE LANGO CONSOCIATION TO STORY	EXTRAD	539	
	A LUCY SOLD SOLD SOLD SOLD SOLD SOLD SOLD SOLD	134144	175	
	1000	201013		
	SCHOOL STREET	20101		
200			346	
(2)		EXTRAD	543	
		EXTRAD	244	
11	7 = - 99 G	EXTRAD	5+5	
		LINE	375	
	14010	EXTRAD	2+1	
	VAVET	CANTAGO	275	
	IF (NA . EQ. 2) VAS=0	EXTRAG	545	
		ENGLES	255	
		115 211	3.6	
	D 200 15	130143	- 23	
	1	CATORA		
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		20000	220	
-	3	CALIFAD	224	
		EXTRAG	555	
,	COLUMN TO CALLEGE AND CALLEGE AND COLUMN TO CALLEGE AND CALL	CALLEAD	226	
,	0 10 10 10 10 10 10 10 10 10 10 10 10 10	CATOLO	255	
-	2012	20000	226	
		20101	223	
		20112	200	
		FXTPAG	262	
12	DE LC (1) A EC (2) PP FLC (5) PP P P P E LC (4) PP P S	EXTERIO	563	
31	WI J+13 = IF I K (P+VJI J) +RQJSNT	TEST	25	
	HH: MEX COM. AC JOIN	TEST	25	
	1 (1) (1) (1)	FXTPAN	566	

33 33 35 35 35 41 41 41 41 45				
33 33 35 35 4111 411 1	A 3LL	EXTRAD	267	
33 35 35 45 45		EXTRAD	268	
33 33 35 35 35 35 35 35 35 35 35 35 35 3	THE LIVE WE WANT WE WELL	EXTRAD	696	
33 35 35 35 41 41 41 41 41		EXTRAD	970	
33 35 35 4111 4111 41	11 11 12 13 37	EXTRAD	1115	
33 33 35 35 35 4111 4111	ACTIVITY TELEVISION FLOAT (MEP (1.1))	EXTRAD	572	
33 35 35 41 41 41 1	ATA IA (b)	EXTRAD	573	
33 35 35 4111 4111 45	IF (W(JP) -W, .6T. WMX) /(JP)= V(JP)-VMD	EXTRAD	574	
33 35 35 41 41 41 45	TECH - VI IO . CI WHY V(IP) +VHO	EXTRAD	575	
33 35 35 4111 4111 1	TECHNICADI FO999 . OR. NA . EQ. 1160 TO 37	EXTRAD	916	
33 35 35 4111 4111 45	UNY - PELINE ST. VAX.) VIJPIEVIJP - PALIE - PALIE	EXTRAD	211	
33 35 35 4111 41 45	IF (VB(JP) - V (JP) . GT. VMX) V (JP) + V (JP) + V (JP)	EXTRAD	578	
33 35 35 4111 41 41 1		EXTRAD	579	
33 35 35 4111 411 45		EXTRAD	989	
33 35 36 4111 41 45		EXTRAD	195	
33 35 4111 41 41 45	11 60 10 33	EXTRAD	585	
33 35 4111 41 45		EXTRAD	583	
33 35 4111 41 45	IN VAS = VAV	EXTRAD	584	
35 35 4111 41 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EXTRAD	282	
4111		EXTRAD	586	
15 41 45 45		EXTRAD	287	
4111		EXTRAD	588	
4111	.Eq 9991 5010 %1	EXTRAU	569	
45	IF (MVP (2, J) . LT . 0. OR. MVP (2, J) . GT . 5 11) GO TO \$111	rest1	0,	
4111	(VP(Z, J) + 1)	TESTI	7	
41 1	IF (#8(J+1).EQ999.0R.NA.EQ.1)GO TO 41	T EST	35	
45	R=SCON*(FLOAT (JP)5)*CELNTH(NTP+1)	EXTRAD	266	
41	VS(JP) = (V(JP) - VB(JP)) / R*1000./OELTAZ	1 1511	24	
45		EXTRAU	966	
45			585	
45	IF (V(JP-1) .EG999 .O. V(JP) .EG999 .OK. V(JP+1) .EG999)		966	
45			265	
65	2/111-df14+11	EXTRAD	248	
51	IF (V(JP)-I SHEAN .GT. JMK) V(JP)=V(JP)-VMD	EXTRAD	666	
51	PETIMERA-VIJE) . GI. VHCI VIJEJEVIJEJEVIJEJEVIJE	EXTRAD	900	
51		EXTRAD	601	
51		EXTRAD	209	
		EXTRAD	603	
	TELLE AGE OF UNCT. 703 SETURN	TESTI	63	
	MRITE(6, 300)M.N.(W(J), V(J), VS(J), SV(J), J=M.N)	EXTRAD	609	
TEE TOWN TO THE CONTROL OF THE CONTR	FORHAT (1X.214./.(1X.2015/))	EXTRAD		
		EXTRAD		
UNG		EXTRAD	606	

C			SUBROUTINE CONTOR	TEST	96
Common Figure Common Figur		v	***************************************	EXTRAD	614
		5 5	DE BUG.	TEST	42
FIRE COMPONENT PER YEAR TETETION EVENT ASSULATION. EXTRAD		, ,	0.2 N	EXTRAD	619
FIRE COMPOURS, PERK PECTION, EVENT ASSULATION, EXPRADOUS COUNTS, POLITY PRINT, PRINT		v	JHW AFGL CDC6600	EXTRAD	616
THE CREATE THE PRINTED PRI		3	FIXED CONTOURS, PEAK DETECTION, EVENT ASSOCIATION.		617
UNICICAL PRINTED PRINTS; PRINTS; DOPIGI, DONING; DONING; FOLING; PRINTS; DONING; PRINTS; PRI		U	医电影电影 医电影 医电影 医电影 医电影 医电影 医电影 医电影 医电影 医电		618
WINTORN WINTER WILLIAM 11.1 1			LUGICAL PRINTI, PRINTZ, PRINTZ, COPLOT, CONTRZ, CONTRZ, CONTRS, JOLIAP	TEST	205
### ### ##############################			INTEGER W.WI.HR.TL.TV.TS	TESTS	204
######################################			INTEGER VINBONS VINDAMENTS	1551	
COMMON_VERSON_			REAL BI(22), HZ (2,15,22), VI(3,15,22), CI (3,22,2), 351 (120),	EST	101
DOMINGATINSTICATION TEXT TOTAL TEXT TEXT			+ ZH(12,15,11);CI(122,21	CYTOAN	11.
1,100MW YARN PERLAY PRINCES FREE FROME, NAED, NUME, OLLAP FEST COMMON YARN PERLAY FREE FREE FROME, OLD WARN YOLLAP FEST COMMON YARDAY MATANATA TOTAL THE FREE FREE FRANCO COMMON YARDAY MATANATA TOTAL THE FREE FREE FRANCO COMMON YARDAY MATANATA TOTAL THE FRANCO COMMON YARDAY MATANATA TOTAL MATANATA MA		٥	Dinin in huma trianger	EAL CALL	250
COMMON *ATTACK******************************			COMMON INSURA ILICABILITATION STARTAS LOTAS AND SOCIAL STARTS	TES12	75
- COMMON ARTHER CONTRACTORINGS, NFILE, NUME, NO. LAP 1851 - COMMON ARTHER CONTRACTORINGS, NFILE, NUME, NO. LAP 1851 - COMMON ARTHER CONTRACTORING, LARGE NEED TO COMMON ARTHER CONTRACTORING, NA. ELEVAT, PREF, KEEP - COMMON ARTHER CONTRACTORING, LOWAR, NEED TO COMMON ARTHER CONTRACTORING, NA. LECKATE, NEED TO COMMON ARTHER CONTRACTORING, NA. LECKATE, NA. LARGE NA. LARGE SECTION ARTHER CONTRACTORING, NA. LARGE SE	-		INTO THE PROPERTY OF THE POST	1531	100
COMMON METAL MARY			CONTRACT CONTRACTOR CO	TEST	105
COMMON ADDITY THE GOTON TO THE CONTROL OF THE EXTRAD COMMON ADDITY THE GOTON TO THE CONTROL OF THE COMMON ADDITY THE GOTON TO THE CONTROL OF THE COMMON ADDITY TO THE CONTROL OF THE COMMON ADDITY TO THE CONTROL OF T	-		COMPON /41024/ HVP(3.1024)	EXTRAU	639
COMMON YOLDEY CANTON YOLDEY CANTON ACCOUNTY			COMMON /AZM/ AZMUTH(460), 44, ELEVAT, PRF, KEEP	EXTRAD	640
### COMMON ADDITAL IDATIFULUSECANTPANSELANDOANG ###################################			COMMON /VALMAX/ ZMAX, VMAX, AG(4), CALM, CALB, XCUT, CK, INC	EXTRAD	149
COMMON FRORED INPERSONAL TV. TSV COMMON FRIEND COMMON FREGRATINATE STATES COMMON FR			COMMON /ADATA/ IDAY, IHOJR, IMIN, ISEC, NTP, NSF, NDD, NRC	EXTRAD	249
COMMON /S108F / 4E AA BA BS.S.; 1.1 TV TSV COMMON / MAZZYSTNA, CCSA, USILAZISCANF, NE. COMMON / LORONY DEAGRAFISI, CARY(61) COMMON / REGOR / IERR COMMON / FIREO/ IERR COMMON / PRSTORE/ UP(22), 1) 19(4,22,2) 1, 1944, IEMAX, NEC, ICVNT(2), IEST COMMON / PRSTORE/ UP(20), 3) . NUP, IATR/TO, 29) . NUMA*, IACT (70), IEST COMMON / PRSTORE/ UP(20), 3) . NUP, IATR/TO, 29) . NUMA*, IACT (70), IEST COMMON / PRSTORE/ UP(20), 3) . NUP, IATR/TO, 29) . NUMA*, IACT (70), IEST COMMON / PRSTORE/ UP(20), 3) . NUP, IATR/TO, 29) . NUMA*, IACT (70), IEST COMMON / PRSTORE/ UP(20), 1) . NUP, IATR/TO, 29) . NUMA*, IACT (70), IEST COMMON / PRSTORE/ UP(20), 1) . NUP, IATR/TO, 20) . PRSTORE/ COMMON / PRSTORE/ UP(20), 1) . NUP, IATR/TO, 20) . PRSTORE/ COMMON / PRSTORE/ UP(20), 1) . NUP, IATR/TO, 20) . PRSTORE/ COMMON / PRSTORE/ UP(20), 1) . NUS, IATR/TO, 20) . PRSTORE/ COMMON / PRSTORE/ US(20), 1) . NUS, IATR/TO, 1) . NUS, IATR/TO, 1) . TEST COMMON / PRSTORE/ US(20), 1) . PRSTORE/ UP(20) . PRSTORE/ COMMON / PRSTORE/ US(20), 1) . PRSTORE/ UP(20) . PRSTORE/ COMMON / PRSTORE/ US(20), 1) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . PRSTORE/ US(20) . PRSTORE/ COMMON / PRSTORE/ US(20) . P			COMMON /MOREO/ INPRF.SCALE, LOV.LTV.LSV	5X3	62
COMMON / ZZZZZINA COSA, DELTAZ.ISGNE, NEL COMMON / LOOKUP / DBZARY(SI), ZARY(SI) COMMON / FIXED/ IC(4,22,2), 18(4,22,2), NPA, SEMX, NFC, ICUNT(2), EXTRAC COMMON / FIXED/ IC(4,22,2), 18(4,22,2), NPA, SEMX, NFC, ICUNT(2), FEST COMMON / FIXED/ IC(4,22,2), 18(4,22,2), NPA, SEMX, NFC, ICUNT(2), FEST COMMON / FIXED/ IC(4,22,2), 18(4,22,2), NPA, SEMX, NFC, ICUNT(2), FEST COMMON / FIXED/ IC(4,22,2), SEMX, SEMX, NFC, ICUNT(2), FEST COMMON / FIXED/ IC(4,22,2), SEMX,			COMMON /STORE/ AE, AA, BB, SL, SL, TV, TSV	EXTRAD	449
COMMON / FICTORY COMMON / FIRE NAVI-DARY			COMMON /AZZ/SINA, COSA, DELTAZ, ISCANF, NEL	EXTRAD	249
COMMON FERGEX IERRATARDAZA COMMON FERGEX IERRATARDAIRCAINTRAINTRAINTRAINTRAINTRAINTRAINTRAINTR			COMMEN /LOOKUP / DBZART(51) ,ZART(61)	TEST	106
COMMON FERRORY IERR COMMON FIRED COMON FIRED COMON FIRED COMMON FIRED COMMON FIRED COMMON FIRED COMMON FIRE			COMMON/FILTER/TATRHN, AREAHN, DAZH	TESTI	45
COMMON /FIXED/ IG(4,22,2),1844,1876,1674,1876,1674,1876,1674,1876,1674,1876,1674,1876,1674,1876,1674,1876,1674,1876,1876,1876,1876,1876,1876,1876,1876			COMMON FERSOR! IERR	EXTRAD	650
######################################			COMMON ZOUNIX/ VOUNIT, SQUANIT, ROUNNI	TESI	101
### ##################################			COMMON /FIXEO/ IC(4,22,2), IS(4,22,2), NPA, IEMAX, NFC, ICVNT(2),		100
### COMMON /PRSTORE/ UP(1201,9) **VII/731, VS(1731, VS(17			# 18VNT(2), ATR(5, 120, 2), 1AT, NIUF, KDD(2), 1DSLOI (120, 2)		501
######################################			COMMON /VEL/ V(173), VB(173), VS(173), SV(173), VS1(173), SVI(173),	9	110
### ### ##############################					111
### PRYSTORE TOTAL				2	110
### COMMON /PSTORE/ UVIZOR: 1, 1791/CCS401, 1793/CC401, 1762/CC401, 1704/CT01, 1704/CT01			(122) 102 11 (22) 102 11 (22) 102 102 102 102 102 102 102 102 102 102	1001	211
### COMMON / PUSTORE/ UN COURT / UN COURT / US COURT / US COURT / UN COURT / US COURT / UN COURT / US COURT /			- 1	153	11.
### PROPRESSION PROPRESSION			COMPON /PVSIORE/	1 55 1	211
### COMMON /PSSTORE/ US/CROUD-31-WYR(CROUD-11-WASCACK) INSSTORE/ ####################################		-			011
COMMON /PSSTORE/ US(201,1975) (101,101,101,101) EST COMMON /PEEL/M (1731,M 1731,M			+ 100 C C C C C C C C C C C C C C C C C C		
			COMMON (PSSIGNE) US(200:5) . NUS. SATR(70:17) . NSTAX: I ACS(70).	10	110
PSKN6(60), IPSI(2640), IPSI(2640) IPSI(2			1050 (221, 1P158 (221, 158 (30, 221, 1P85N1 (30, 221),	3	119
COMMON ZEELAGISS, TOTATES, TOT		-	+ IPSKN6(50), IPSI(2640), IPSI(2640)	2	170
**************************************			COMMON VEEF LYS (1/3) AI (1/3) AU (1/3) AR (1/3) ANCL AI O'NIOP, NCL	15312	? ;
COMMON PRODUCT (134.22).176.1640).1PC3(2640).1PC3(2640). FEST (134.22). CAMON PRODUCT (134.22).176.1640).1PC3(2640).1PC3(2640). FEST (134.22). CAMON PRODUCT (134.22). CAMON P		-	X, I 4 X I I	15316	
TRMAX_IR.PR_KELIMAJAY			TOTAL TAX BY TOTAL	1557	24
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04TA PUDITES OF STATE		0		EXICAD	269
DATA HYZZY, NVZYGOGGY, TSUP/6004/, TSSPY7004/ DATA HYZZY, NYZYY, NZZY, NZZYZYZYZY, NVEZZY DATA HYZZY, NYZZY, NZZYZY, NZZYZZY, NVEZZY C NTP=CELL MIOTA 81,2 MEANING .5,1.042,2. EXTRAD C NZZESEFF OF O NZ			Carl Mary Control of the Control of	EXTOAD	656
DATA NHZZZ,NVIZZ,NZHIGENZSZNYBOUNI,13577 FOUST DATA NHZZZ,NVIZZ,NZHZZZ,NPGZZ,NPGZZ,NPGZZ C NTPECEL MIDIH 01;2 MEANING .5,1.042,2 EXTRAD C NTPECEL MIDIH 01;2 MEANING .5,1.042,2 EXTRAD			THE TANK OF THE PROPERTY OF TH	200	111
C NTP-CCL WIDTH 0.1.2 MEANING .5.1.042.2. EXTRAD C NST-SUBERME 0.1.2.3 MEANING .5.1.042.2. EXTRAD C NON-EEFFO. OF OLIVE DIM CE A.T.=0.411=1			de n 1 401/4000 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1601	122
C NYSSUGARME 011,2 MEANING .5,1.042,2 EXTRAD C NASSUGARME 0112,3 EXTRAD C NASSUGARME 0112,3 EXTRAD	1		1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11011	456
C NSFSUBERAME 0.1.2.3		s c	NE ANT NO	EXTRAD	657
NOOTED TO THE PARTY OF THE PART	-	, .		FXTRAD	658
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State Stat							
					UNDANA TO	177	
COUNTY C		3			1 6571	54	
TOTAL PROPERTY TOTA	-		TOWN TO A TOWN T		1861	100	
			TETITIAGE TO THE MENT OF THE LATE AND THE TOTAL OF THE TO		16511	200	
TOTAL TOTA			ARRESTORY TOOM TRANSPORT		115.41	1	
			SCORE SCORE STATE		TESTI	25	
		-	TARGET AND COLUMN TO THE PARTY		LYALKE	200	
TEMPER TOTAL PRING TOTAL PRINCE TOTAL P			TE CANT BOTATE CO TO 1		FXTRAD	665	
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Trible T			IF (MR.EG.1) CALL YANG		EXTRAD	666	
	-	-	THAT THE PARTY OF		EXTRAU	6/10	
The Total Continuent			TE (NA. FO. 1) WRITE(2) RN(N2G+1) .CELWIH(NTP+1) .ELEVAT		TEST	126	
The parameter The paramete	-	-	IZADE ZZKITUCKI		TEST	53	
TEMPER PROPERTY TEMPER PROPERTY			TE (NA - FO. 1) GO TO 11		EXTRAD	671	
TEMPS TEMPS TEMPS TEMPS TEMPS		-	TENET YOUR UNIT ALL	The second secon	FYTDAN	677	
C			TERDITERD TO THE TERMINATION OF		EXTRAD	675	
C			EG TO 61		EXTRAU	676	
THIS THE PAIR TH					EXTRAD	119	
The part		, ,	1,11,11,11,11,11,11,11,11,11,11,11,11,1		FYTRATI	678	
		, (***************************************		FXTRAD	679	
1		,	1.1590.34		UNGLAS	5.80	
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NGCEL=1			W.EL=1		CALLER	200	
N			WACEL=1		2000	246	
15 15 15 15 15 15 15 15			NSCEL# 1		CAC		
10 13 x = 1, NUP 15 15 15 15 15 15 15 1			DO 312 J=1,NID			121	
S13	5		00 313 K=1,NUP		IESI	170	
153 154 154 155		313			ESI	123	
S16			00 314 K=1,NUV		IESI	130	
15 15 15 15 15 15 15 15		316	0.03,41=0.0		3	151	
315			00 315 K=1,NUS		1631	135	
312 CONTINUE 01 31 KEL-MIDF 02 31(K) = 0. 11 VST(L) = 0.0 3111 SYT(J) = 0.0 3111 SYT(J) = 0.0 32 J=1, MKE 00 32 L=1, MKE 00 33 L=1, MKE 00 34 L=1, MKE 00 35 L=1, MK		315	US(3,K)=1.0		ESI	133	
15 0 0 3 4 4 4 4 4 4 4 4 4		312	CONTINUE		1631	130	
0 0 0 0 0 0 0 0 0 0			UU 31 K=1,NIUF		LESI	135	
ST ST ST ST ST ST ST ST			05I(K) =0.		EXIKAD	999	
VI (1) = V(1) VI (1) VI (1) = V(1) VI (1) V		31	CONTINUE		EXIKAD	689	
VSI(J) = VS(J) TEST VSI(J) = VS(J)	2		00 3111 J=1,WCL		1651	136	
VICTO VICT			WICD=WCD		TEST	137	
SYILD SYILD SYILD			WSI(1) = NS(1)	The second secon	TEST	136	
DO 32 J=1,NME		3111	(C)AS=(C)IAS		TEST	139	
00 32 [=1,NZH EXTRAD 00 32 [=1,NZH EXTRAD 00 32 [=1,NZP EXTRAD 00 32 [=1,NZP EXTRAD 00 41 (=1,NTD EXTRAD 00 41 (=1,NTD EXTRAD 00 41 (=1,NTD EXTRAD 00 41 (=1,NTD EXTRAD 00 51 (=1,NTD EXTRAD 00 52 (=1,NTD 00 52 (=1			DO 32 J=1,NME		EXTRAD	169	
DO 32 K=1,N2P EXTRAD	0	-	DO 32 (=1,NZH		EXTRAD	169	
32 ZHIKAL, J) = 0.0 EXTRAD EXTRAD EST			00 32 K=1.NZP		EXTRAD	692	
TEST DO 4.1 K-1.1AT TEST	-	65	74 (K.L. J) s R. I		EXTRAD	693	
DO 61 J=1,IAT			00 41 K=1.MIDF		TEST	140	
FXTRAD F	-		IN EC EC. TAT		EXTRAD	669	
### ##################################			:		FXTPAD	969	
DO 51 KL1, NFC EXTRAD		1.7	MAN TO STATE OF THE PARTY OF TH		EXTRAD	169	
CONTINUE		:	DO 51 K=1.16C		EXTRAD	969	
CTR(L, K)=6. 100 51 J=1,NPA 101.41, K)=6 51 IC J_L, K)=6 EXTRAD EXTRAD 00 52 J=1,NPA EXTRAD 00 52 J=1,NPA EXTRAD			DO 44 124 TEMAY		EXTRAD	669	
10 51 J=1, NPA EXTRAD EXTRAD EXTRAD			CTR(L,K)=1.		TEST2	45	
184.4.4) = 0 EXTRAD EXTRAD EXTRAD			DO 51 JET. NP.		EXTRAD	-	
TCTJ-L-KT=0 DO 52 J=1.4FC EXTRAD			18(J,L,K)=8		EXTRAD	701	
EXTRAD 7		15	IC (J.L.,K) = I		EXTRAG	2112	
			00 52 int. off.				

115	4	CARL D = 0	-	TESTZ	99
				F X 4	11
	-				-
	3 .	25 000		3	
	-	103LUI (K, 31 *0		CALKAD	100
	25	CONT INOE		EXIKAD	9
121		KNID=1		EXIKAD	101
	_	CONTINUE		EXIKAD	
	v			EXTRAD	604
	P	DO 71 K=1, IEMAX		EXTRAD	111
	0	00 71 Jr1, NZH		EXTRAD	711
521	P	DO 71 LEI, WAZ	-	EXTRAU	717
	71 H	HZ(L,J,K)=0.0		EXTRAD	713
		DU BI K=1, IEMAX	-	EXTRAD	116
	0	100 81 J=1, NVI		EXTRAD	715
	9	NZ N . 2 . NZN		EXTRAD	7.16
130	81 V	0.0=0.4 J.C) IV		EXTRAD	717
		00 91 K=1.1ERKX		EXTRAD	118
	ŏ	00 91 J=1.NFC		EXTRAD	719
	-	00 91 L=1.NP8		EXTRAD	121
	91 0	CI (L, K, J) = 0.8		EXTRAD	721
1.35	0	DO THE KELLIEMEN	-	EXTERIO	221
	0	01(x)=0*0		EXTRAD	723
-	-	THE COLUMN THE PROPERTY OF THE		EXTRAU	122
		IDAC (K) E O		EXTRAD	725
	-	THE COLUMN	-	214	55
		CONTINIE		1551	142
		7 THE PART OF THE	-	100	-
		Table 11- 0		1931	
	-	and a second		100	100
		TO CONC. CIED		1661	146
57.1	187			100	100
		CONTINUE		FYTPAD	732
				643	
		19 (= 8		EXTRAD	733
	F	HEAL		EXTRED	138
150	-	I Par s		EXTRAD	735
	-	DEBAG	-	EXTRAD	736
	1	1958=0		Ex2	3.8
-				FXTRAU	737
		FIND EVENTS		EXTRAD	738
155	2			EXTEND	139
	0	DO 281 I=IMK,NCL		TEST2	14
	10	00 231 K=1,1FC		EXTRAD	741
	1	IF (M(I).67.TL(Q) 50 TO 131		EXTRAD	742
	3	50 10 24	-	EXTRAD	743
168	131 I	IF (M(I-1).LE.TL(K)) GO TO 141		EXTRAD	147
	,	50 TO 151		EXTRAU	145
	141	ICANT(K)=ICANT(K)+1		EXTRAD	746
	-	FITCHATIKI LE LEHANIGO TO 1411		EXI	118
	*	WPITE(6,1412)IEMAX,K		Ex1	19
165	1612 F	FORMAT (1X, "EVENT COUNTER EXCEEDED MAX VALUE, IMAX= ", 16, 5X,	6,5%,	EXI	92
	:	٠٠٪ ١٠٠٠)		Ex1	21
		ICWITTERSTERAX		EXI	22
	1411	IE VENT = ICANTIK)		£x1	23
	1	F (K. EG. I) IE G= IEVENT	-	EXTRAG	748
179					
,		CIT-II VENICE III		EXTRAD	544

	U U	TALLY ATTRIBUTES.		EXTRAD	751	
	3			EXTRAD	753	
175	151	R= SCON+ (FLOAT (I-1)5) +3ELMTH(NTP+1)		EXTRAD	154	
		INDX = M (1) - TC (1) + 1 TF (TAN) Y, GT, 64 1 TN) X = 64		TEST	116	
		IF (IND X, LE, 0) INDX=1	,	TESTZ	8.5	
		MR=P+ZARY(INDX)		EXTRAD	151	
180		TEVENT = ICUNTOR)		EXTRAD	758	
		CITIOLEVENT, K) =CITIOLEVENT, K) +K		EXIKAD	129	
		CICALEVENIET STREETS TENENIET STEWENE		FXTRAD	761	
		IF (K. NE. 1) 60 TO 231		EXTRAD	291	
185	S			EXTRAD	763	
	00	PEAK DETECTION, LOCATE AND COUNT PEAKS.		EXTRAD	764	
		IF (W(I)-W(I-I)) 171, 181, 151		EXTRAU	166	
	191	IP9=1-1		EXTRAD	767	
130	171	IF (IPB.EQ.0) GO TO 191		EXTRAD	692	
		I +dI=dI	The same of the sa	EXTRAD	77.0	
		IF (IP.LE.JMAX) GO TO 1711		Ex1	54	
195		MKITETE, 1913/1F, 1EVENT		EXI Fx1	52	
***	1211	1		1561	57)	
	:			EXTRAD	772	
	181	CONTINUE		EXTRAD	77.3	
		IF (VS (I) . E G 999) 50 TO 191		EXTRAD	17.6	
502		IF (IABS(VS(I))-IABS(VS(I-1)) 191.211.201		EXTRAD	776	
	161	IF (IPVB.EQ.0) GO TO ZII		EXTRAD	111	
		IPV=IPV+1		EXTRAD	778	
205		IF (IFW .LE.JMAX) GO TO 1912 WRITE (6.1913) IPV. IEVENT		EX1	200	
	1913	FURRAL IXX, WUMBER OF PEAKS EXCEEUS ARRAY SIZE", 2167		EXI	30	
		-		Ex1	31	
	1416	2/10/11 - 1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1 - 1/1/1/1/		EXTEND	150	
213		50 TO 211		EXTRAG	761	
	201	IPV8=I-1		EXTRAD	782	
	112	CONTINUE		EXTRAD	763	
		TE (CVI 1-11) FD - 4330 CO TO 2011		572	55	
215		IF (IABS(SV(I))-IABS(SV(I-1)))1911,2111,2011		Ex2	; ;	
	1161	IF (IPSB.EQ.0) 60 TO 2111		EX2	24	
		IPS=IPS+1		Ex2	5	
		WEITERS, LESSING TO 1914		Ex2	12	
922		50 70 2111		EXZ	99	
	1914			TEST	151	
		IPS8*C 60 TO 2111		Ex2	9 5	
	1102	IP38=1-1		2X3	200	
225	2111			Ex2	51	
		IH=IFIX(R=SL+R=R=CLI+1		EXTRAD	764	
		If 1= IE VENT		I EST 1	55	

	NY THE THE TENTH . TH. TETT 639		DYNAMI	187	
230	HZ (2 , IH, IE 1)=H 2 (2 , IH, IE 1) +R		EXTRAD	788	
	IF CHILL GT.TV.OR.SV(I).ST.TSV) GO	VI GO TO 221	EXTRAD	7.89	
	IF (M(I).LT.TL(1).08.V(I).EQ999) GO TO 221	-9991 GO TO 221	EXTRAD	190	
	VI (I,IH, IE I) EVI (I, IH, IE I) OV (I)		EXTRAD	16.	
	VICE, IM, IEI)=VICE, IM, IEIJOVII) -VII	(T)A. (EXIKAD	76.7	
233	CONTINUE		FXTRAD	754	
	1		EXTREO	745	
	RAIN=DBZARY (INDX)		EXTRAD	196	
			EXTRAU	161	
240 231			EXTRAD	196	
241	00 271 KL=K.NFC		ENTRAD	800	
	1	180	EXTRAD	501	
	IE VENT = ICVNT(KL)		EXTRAD	8 02	
592	ICTZ,IEVENT,KLY=1-1		EXTRAD	803	
			EXIMAD	*	
	KEEP COON! OF PEAKS MITH EVEN!	MILIT EVENI.	FXTRAD	806	
,	IF (41.4E.1) 50 TO 271		EXTRAD	807	
250	IF (IPB.EQ.0) GO TO 251		EXTRAD	808	
	IMIMI		EXTRAU	608	
	IPKNG(IP) = (I+ I PB) 72		ISI	261	
151	IPB=0 IDC(IFVENT)=IP		EXTRAD	812	
356	1		EXTRAG	816	
	IP V= IP V+1		EXTRAD	619	
	Thurse (I th) = (I t Ibv81/2		IBI	153	
	IPV8=C		EXIRAD	817	
192			Ex2	52	
	I +Sall=Sall		2x3	53	
	IPSKIE LIPSIE I + IPSBI / 2		ig.	120	
2611	1 IDSC(TEVENT)=IPS		Ex2	56	
112 592	Γ		EXTRAU	029	
281			EXTRAD	821	
125	COSTSCOS(TEMP)		EXTRAD	830	
	CONFECTION A PROPERTY		PATER	150	
27.0	COSA2=COSA+COSA		EXTRAD	833	
	SIMA-SINCAZNOW-MPD!		EXTRAD	834	
	SING 2= SING SINA		EXTRAD	835	
•	SMACNA =SINA COSA		EXTRAD	936	
3 5/2	PLOT FIXED CONTOURS.		EXTRAU	240	
0			EXTRAD	641	
	SENTENNI CO		TEST	242	
	TEN TO AN INC.		11631	200	
982	IPU=IPUP+K		EXTRAD	643	
	IPU=IPUN+K		EXTRAU	555	
	KEVENT = 1		EXTRAD	845	
			CANTA	846	
331	IF (18 (2, 1EVENT, K). E. 2. B. A VO. IC (2, KE JENI) (1, EQ. 0) GO TO	C (2, KE JENI, 4) . EQ. 0) GO TO 601	EXIKAD	140	

	IF (18 (2,1EVENT,K).LT.15(1,KEVENT,K)) GO TO 471	EXTRAD	698
-	2 SEARCHTEEN	EVTOAN	850
	C LEFT SIDE PEN JP.	EXTRAD	852
062	ь	EXTRAD	653
	IID=IB (NPA,IEVENT,K)	EXTRAD	924
	2342 GO TO 474	16512	2 2
		118377	15
562		TEST	155
	X=FLUAT(IB(I, IEVENI, K))-1.0	EXTRAU	858
	R = SCONG * X	TESJ	156
	X=SCALE+(R*SINT+6.8)	EXTRAD	858
	Y=SCAL E* (R*COST+4.0)	EXTRAD	658
300	WRITE(2)X ₃ Y ₃ IPU	EXTRAD	861
-	PROU PAR SULV SAAS	TANKE TO SE	200
		EXTRAD	490
	X=FLOAT(IC(1, KEVENT, K)) - 1.0	EXTRAD	865
305	R=SCONG*X	TEST	157
	X=SGALE*(R*SINA+6.0)	EXTRAD	198
	Y=SCAL E+(R+C0SA+4.0)	EXTRAD	898
	WITE(ZIX,Y,IPU	EXTRAU	878
	341 IF (ISCANF.NE.0) GO TO 3911	TEST2	55
310	ATRILIDON)=ATRILONO () + DELTAZOCI(1, KEVENI,K)	115312	53
	ATR(2, 110, K) = ATR(2, 110, <) + DELTAZ+C1(2, KEVENT, K)	EXTRAD	872
	ATR(3, IIO, K)=ATR(3, IIO, () +SINA*DELIAZ*CI(3, KEVEVI, K)	EXTRAD	873
	ALKINI TOTAL THE TREATION OF THE TACK CLICONE CALL	EXIKAD	
116	TITLE CAPACITATION	EVIDAD	876
	IF TATE CLATS IN STORY OF STRUCK STRUCK STORY STORY	EXTRAD	2881
	IF (ICC 1.KE JENT .K) .LT . IM'S DR. ICC ? . KE JENT . K) . GE . IMX)	TEST2	24
	XATRIAT.IIO.K) = -ABS(ATRIAT.IIO.K)	TESTZ	- 25
	IF(K.NE.1) GO TO 381	TEST2	96
320	U0 361 IH=1,NZH	EXTRAU	689
	S	EXTRAD	988
	IF (VI (3, IM, KEVENT) . LE. 0) 50 TO 351	EXTRAD	887
	ZH (1, I H, NNE)=ZH(1, IH, NNE)+VI(1, IH, KEVENT)	EXTRAD	888
	ZH (Z.IH, NNE)=ZH(Z.IH, NNE)+VI (Z.IH, KEVENT)	EXTRAD	688
325	ZH (3+1 H, NNE) = ZH (3+1H, NNE) + SINA + VI (1, IH, KE VE NT)	EXTRAD	890
	THE CASE THE STATE OF THE NAME OF THE STATE	EXIKAD	169
	CHICAT HAND TO THE CONTRACT PARTY AND THE CONTRACT OF THE CONT	EXIKAD	260
	CATALANT CAT	EVIDAD	804
120	(INAMAN HI * 2) I MANN I SA (INN * HI * 8) HZ = (INN * HI * 8) HZ	FYTRAN	AGE
	ZH (9. IH. NNE) = ZH (9. IH. NNE) + GOSA*VI (3. IH. KEVENI)	EXTRAD	969
	ZH (10, 1H, NNE)= ZH(10, 1H, NNE) + WI (3, 1H, KE VENT)	EXTRAD	168
	351 ZH(11, IH, NME) = ZH(11, IH, NNE) + HZ(1, IH, KE VENT) * DELTAZ	EXTRAD	868
	ZH(12, IH, NNE) = ZH(12, IH, NNE) + HZ(2, IH, KEVENT) + DELTAZ	EXTRAD	669
335	361 CONTINUE	EXTRAD	006
	051(IID)=051(IID)+0I(KE/ENT)+DELTAZ	EXTRAD	126
	381 IF (IEVENT.GE.JEM) GO TO 441	TEST	5.6
	IF (IB(1, IEVENT+1, K), GT. IC(2, KEVENT, K)) G3 T3 441	11811	65
		EXTRAD	906
340	DRAW DOWN TO PRESENT AZMUTH.	EXTRAD	906

	X=FCGATCIBIT, IEVENT, CII-1. U	EXTRAG	916
	x=2000c•x	1831	159
345	X= 5CAL E* (R*51NT+4, 31	EXTEAD	215
	Y=SCAL E • (R • COS T • 4 • 0)	EXTRAD	911
	WILECTIFIC	EXTRED	415
	A SCAL F (Resinate, 0)	EXTRAD	914
	VESCAL EFIRECOSA+4.01	EXTRAD	616
350	WRITE(2)X,Y,IPO	EXTRAD	911
•	APITECED'S, V. IPU	EXTRED	916
,		CALIFAU	25
3 6	DAMA DECK TO LEVENITI	CATORO	376
,	V-STORITIZED TOURISE STILL OF	20103	277
	2011-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	1651	160
The second secon	1	DYLLEGE	476
	Y= SCAL E * (R*COS A** . 0)	EXTRAD	928
	WEITERZIX, V. IPU	EXTRAU	126
191	WRITE(2)X,Y,IPU	EXTRAD	926
13		EXTRAD	626
0	DRAM UP TO PREFIGUS AZMUTH.	EXTRAD	9.50
0		EXTRAD	126
	/=304 E (X-31 = +4.0)	EX I KAD	335
282	TESCAL ET POOL 14. 0	EXIMAD	355
-		EXIEND	335
99	SOUS IEVEN TEVEN TO	LEST	191
	ALUE IS INPA, IEVENI, AL	CALLEAD	200
	to the contract of the contrac	16512	
-	101 01 00 00 101 11	100	
107		C CIPACI	641
		EXTRED	245
	00 411 1=1.14.17	FYTEAC	246
515	-		475
			546
	I = ABSTATRIBATIO, ATT	EXTRAD	346
	00 436 JE 1,3E H	100	19
		101	70
200	ACRE HOLD BOX	15311	2
	TO 461 DESIGNATION OF THE PROPERTY OF THE PROP		
	-	115311	60
	451 CONTINUE	15311	2 5
182	CONTROL AND CONTROL OF	15311	
		20173	000
	MINITED STATES	20000	326
		5 1 1 5 4 5	955
		CALLED	32.6
200	TE CASE CASE AND SECURE OF THE CO.	16517	3
-	STATE THE STATE OF	16517	23
		16 671	
-	15 (2 C) 10 10 10 10 10 10 10 10 10 10 10 10 10	TEST	7.6
	NO. TO SECURE OF THE PROPERTY	£ 7.1	36
35.2	MINDO-7277	1100	
		16611	12
Commercial Section of an administration or an administration of	511 127 UU	115511	27
	Total Paris Co.	1100	
	The state of the s	15011	3.4

#10	101 MX8 = 1 M M M M M M M M M M M M M M M M M M		162
1116 1116 1116 1116 1116 1116 1116 111	MATR (J. NUMP V) = RKNIDI	FXTPAN	156
4131 4131 4131 4131 4131 4131 4141 4141	TATE (J. NUMP V) = PKNIDI	CALCAN	26.0
4131 4131 4161		16 571	25
1114 1115 1115 1116 1117 1116 1117 1118 1118 1118 1118		HALLAS	dk7
1111 1111		16511	76
4131 4141 4161 4161 4201 4201 4201 4201 4301 4301 4301 4301 4301 4301 4301 43	THANKS TO BE STATE OF THE PARTY	1 1611	11
11114 11114 11114 11114 11114 11114 11114 11114 11114 11114 11114 11114 11114 11114 11114	SALKES NOTES - KAALUI	-	
414 416 416 421 421 421 421 421 431 431 431 431 431 431 431 43		11511	2
1136 1136 1127 1127 1127 1127 1127 1127 1127 1127 1137 1141		TESTI	2
113 113 113 113 113 113 113 113	L.AND.J.GT.4SCEL) 50 TO 4211	TEST1	60
11188 11188 11188 11188 11188 11188 11188	619	TEST	166
1125 1127 1128 1128 1127 1127 1127 1127 1127	J.N.JP. = PKNIDT	TEST	167
1186 1186 1187 1188 1189 1189 1189		EXTPAG	996
1134 1124 1125 1127 1127 1128	777	1 66.1	168
1115 1116 1116 1116 1117 1117	A HAROS TOTAL	1201	166
11186 11187 11187 11187 11187 11187	JANAN - KANTO	EVIDAG	010
1917 1186 1187 1188 3113 3113 3113 1191 1191 1191 1191		200	
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1191 4211 4211 3813 3813 3813	J, NUS) = RKNIDT	IEST	1/1
1124 1124 1124 1124 1124 1124 1124 1124		EXS	12
1136 2186 2186 2186 2186 2186		TESTI	61
3813 3813 3813 3813 3813		11531	29
11166 11166 11167 11167 1117 1117 1117		TEST2	63
1145 1166 1174 1181 3813 3813 3813		11841	199
1134 1146 2146 2146 2146 2146 2146		16613	,
3811 1188 2186 21813 3813		15315	20
3911 1186 2186 2187 3913	53 10 4201		*
3911 1181 1181 1181 1181 1181 1181 1191 1	IF (ABS (ATP (IAT , JK , LK)) . E2. RKNIDU) ATR (IAT , JK , LK) = S I GN (RKNIDT , ATR (99
3811 3813 3813 3813 , ttt		TEST2	19
11186 21186 21186 21197		TEST1	98
3813		EXTRAU	1/6
3812 3813		FXTRAD	972
3812 3813 3813		11.3	69
3813 3813		FXTPAD	973
31186			
3813		15515	200
3813		71631	-
3813		15312	
3818	KMIDU) GO TO 3813	T EST2	7.1
3813		TESTZ	21
3813		TEST2	73
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	15677	11
		1 5512	7.5
500		71631	
	161	15311	10
0 00	2, IEVENT, KII GO TO \$51	TEST1	88
1 F (MO T C C C C C C C C C C C C C C C C C C		EXTRAG	916
THE CANTER TO THE TO THE CANTER TO THE TO THE CANTER TO THE CANTER TO THE CANTER TO THE TO THE TO THE TO THE TO THE TO THE THE TO THE T	THE TECHN TO TECHNOS.	FXTRAD	411
υ ,	27.4107.01.4107.041		
		EXIKAD	976
		IESI	11/2
		EXTRAG	979
		1651	173
	The state of the s	EXTRAD	196
		FXTRAD	982
		EVYBAN	CAL
11/4 PT 13/1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /		FXTEAD	946
ANT LUA! (IL 119 KEVEN! *19K!) - 1.0	100	2010	
K* SCONC* X			•
X*SCALE* (R*SINA+4.0)		EXTRAD	286
V=SCAL E* (R*COSA+4.0)		EXTRAD	986
ASS MRITE(2) X.Y.IPO			

#50 C		EXTRAD	992	
481 CGG 471 8005		11841	26	
2 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		EXTRAD	966	
2009		EXIKAD	666	
184		EXTRAD	1000	
471		TEST	177	
471 481 481 481		TEST	178	
2009		EXTRAD	1003	
\$000 \$000 \$000 \$000 \$000 \$000 \$000 \$00		EXTRAU	1004	
471		EXTRAD	1006	
471 481 481 481		TEST	1001	
2009		EXTRAD	1009	
\$ 6002 6 C C C C C C C C C C C C C C C C C C C		EXTRAG	1010	
184		EXTRAU	1012	
711 000 000 000 000 000 000 000 000 000		TEST	179	
12 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		EXTRAD	1015	
164	1.JEH) GO TO 601	TEST1	*6	
7121		TEST	35	
121 000 D 181		11631		
0000 B	1 521	EXTRAD	1017	
0000 16	1 481	EXTRAD	1018	
000 4		EXTRAD	1019	
7 18 4 4 G		EXTRAD	1020	
\$ 6004		EXIKAD	1001	
\$00¢	JENT.K) GO TO 511	FXTOAD	1023	
A		TEST	180	
N		1651	162	
A A A A A A A A A A A A A A A A A A A		TESTI	16	
6004 IIO		EXTRAD	1026	
2		EXTRAU	1201	
A MAN MAN MAN MAN MAN MAN MAN MAN MAN MA		EXIKAD	10.03	
ARI ARI		FXTRAD	1030	
6004 H P P P P P P P P P P P P P P P P P P		FXIRAD	1033	
7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		EXTRAD	1034	
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		EXTRAU	1035	
6004 HRIS		TEST1	86	
8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EXTRAD	1037	
5006 2010 4010 4010 4010 4010 4010 4010 4010		EXTRAD	1038	
11 PD00		EXTRAD	1040	
		TEST	184	
		EXTRAU	1050	
	.JEH 60 TO 601	TEST1	101	
TE (TE (4. VEVENT, V) . E TATA TEN		16511	102	
	15 TO TO 134	LICAL	501	
	501 00 10 331	EXTOAD	1025	
		CALLORIA	1986	
IF	521	FXTPAD	1055	
	ENT, KI 50 TO 331	EXTRAD	THEF	
·		-		

5	STRAIGHT LINE ON IC.	EXTRAD	10 19
		EXTRAD	10 60
	00 5522 IIO=1.NIOF	TEST	1061
	IFTIOSLOTTITO, KI.NE. 0163 TO 5522	EXTRAD	TOES
	100=110	TEST	186
	TOWN WE ALCO TO SE21	TEST	187
	TOSC OF CITOLICIE RIVED	FXTDAT	1002
	KNID=KNID+1	EXTRAD	1067
	5521 IE1=IC (3, KEVENT, <)	TEST	188
	II01=I C(NPA, IE 1, 1)	TEST1	104
	IDS(OT (TIG, K) = TOSLOT(IT)1, 1)	1651	190
-	50 10 5523	1 6511	105
	5522 CONTINUE	EXTRAD	1072
	MHEN ALL 10-5 ARE USE J.	TAN TAN	1075
		1651	191
	ICINPA, KEVENT, K) = NIDF	TESTI	1.06
	IF (K.NF.1) GO TO 5524	TESTE	11
	KNID=KNID+1	TEST2	7.6
	-	TEST2	62
	5524 IID=WICF	115312	28
	100=110	TES12	61
		EXTRAD	1077
	55.23 KOO(K) =MAXO(KOU(K), IDD)	1 6512	82
		TEST2	83
	\$24 IF (.NOT.COPLOT.OZ.NA.EQ.1) SO TO \$27	TEST2	44
	X=FLOATEICEI, KEVENT, KI)-1. U	1831	153
	×-2-20-20-20-20-20-20-20-20-20-20-20-20-2	TEST	194
	100-14-10-10-14-10-18-10-18-10-18-10-18-10-18-10-18-10-18-10-18-10-18-10-18-10-18-10	EXIKAD	1034
-	TO THE PROPERTY OF THE PROPERT	2000	1002
	X = F1 O T T T C C 2 K F V F V T X X X X X X X X X X X X X X X X X X	EXTORD	
	A. J. R. D. C. L. A.	- 100	2001
	NAME OF THE PARTY	EVIDAG	1000
-	(E 9+91003 ed ad 1735 = A	EXTORD	1801
	001.7.7.0011.00	CATOR	1001
-	527 TETTO AND DE	10010	200
	-	21531	60
	CANCEL TO A CANCEL	2163	00
	ATTENDED TO A TOTAL TO	153.5	
-	AIR (3, 100, K) = SINA 'OEL AZ CITS, KEVENI, K) *AIR (3, 100, K)	TESTS	
•		TESTZ	60
	5.51 IE I = IC (5, KF VE N 1, K)	EXTRAD	1102
	1101=1C(NPA, TE1, 1)	EXTRAG	1103
	al file 1,100, K) = 105c of (11)1.13	EXIKAD	1104
	IF (NA .EQ. 1) ATRIAT, IDJ. C) = ABS(ATR(IAT, IDJ. C))		1105
	IF (ICT 1) WE WENT 'NO . LT . IMM. DA. IC (2) WE VENT, K) . SE . IMX) ATK (IAT, ICO, K) =-		06
	TABSTATE TATION OF THE	EXTRAD	1107
-	11 (4.16.1) 50 10 551	EXTRAD	1108
		EXTRAD	1109
	IF (PZ (2, IH, KE VENT) . LE. 1.) 50 TO 551	EXTRAD	1110
	IF (VI (3: IF, PEVENT): EQ. 0.) 50 TO 541	EXTEAD	1111
-	AN CLAIM FANNED TO THE SECOND	EXTRAD	1112
	CHICATH, KNEJEVIIC, IA, KEVENIJ	EXIPAG	1113

202000	SUBSTITUTE COLUMN			
	THE STATE OF THE S	EXTRAD	1116	
	ZH (25 TH) NET SECTION TO THE CONTROL OF THE CONTRO	EXTRAD	1117	
	ZH (6,1 H, NNE) = COSA Z+VI (5,11+, KEVENI)	FXTRAD	1118	
	ZHIY,IH,NNED BUNGUA-VIC S. LI, KEVENI	FXTRAD	1119	
	ZH (8,1H,NNE)=SINA+VI(3,14,KEVENI)	TRALL	11/20	
575	ZH (9.1 H. NNE.) = COSA* 1 (3.1 1. KEVEN I)	FXTRAD	1121	
		TEST	109	
	541 ZH(11, 1H, NNE)=HZ(1,1H,KEVENI)*UEL 1AZ	FXTDAN	11.24	
	ZH(12, IH, NNE)=HZ(2, IH, KEVENT) + DEL IAZ	CALORA	14.75	
	551 CONTINUE	FXTRAD	1126	
580		EXIKAD	1251	
	551 CONTINUE	EXTRAD	1128	
	SOC REVENUE ALCONOMIST TEATER LIFE AND TO BUILD BUILD	TESTI	110	
	TELEVICIONAL CHILDREN CONTRACTOR	TEST1	111	
-	TENERAL TELEBISISTIC	TESTI	211	
202		EXTRAD	1130	
-	Put CONTINUE	EXTRAU	11.39	
		EXTRAD	1140	
	IF (I SCANF. NE. U) GO TO 8/1	15512	5.5	
290	8003 IF(.NOT.CONTRZ) GO TO 8000	IESIZ	36	
	CALL PFAKO(W,LOV,TL(1),1,UP,NCEL,TATK,NUMAX,IACT,10C,IP18,18,	TEST	196	
	+	184	861	
	SOUT IFTE NOT COUNTRY SOUTH SO	TEST	200	
	CALL PEARUISACH TOWNS IN CLIFT TOWNS	TEST	201	
666	8 nn 1 IF (.NOT.CONTRS) GO TO 800	TEST	202	
	CALL PEAKD	TEST	203	
	+ IPS SNT, IPSRNS, 15, NMS, IPS1, IPS2, IPS3)	TEST	\$0.2	
	و	EXIKAD	1150	
009	C STORE PRESENT PARAMETERS IN PREVIOUS PARAMETERS.	EXIMA	1157	
		EXTRAD	1153	
	OUU CONTINUE IN THE PARTY	115312	93	
	17 115CANT - NE. 50 10 0004	EXTRAD	1154	
5115	JE WELLE UNITED	TESTZ	*	
	IEM=IC VNT (K)	TEST2	95	
	IBWNI (X)=ICONT (K)	T CCT2	46	
,	ICWNT(K)=0	115417	16	
	IF (JEM.Eq. 0)60 TO 803	TES12	86	
910	15 15 15 15 15 15 15 15 15 15 15 15 15 1	11812	66	
	DO 8002 1=1,1EM1	TEST2	100	
		TESTS	101	
	8002 CONTINUE	16316	100	
615	IIO=IB (NPA,J,K)	TEST2	101	
	If tith the to the such that the such	TESTZ	105	
	APADEA TOTAL TIDEN, RESCONSTITUTE APADEA TOTAL TIDEN	TEST2	106	
	IDSLOT(110+K) = 0	TESTZ	601	
620	DO 8005 I=1,IAT	IESIZ	110	
		TESTS	112	
	802 CONTINUE	TESTZ	113	
		EXTRAD		
675	THE CONTRACTOR OF THE CONTRACT	EXTRAD		
	SO ICCN-IEVENT-K) = 0	EXTRAD		
		A LANGE		

			TEST2 TEST2 TEST2 TEST2 TEST2 TEST2	1115
8165 8164 8164 8164 8164 8164 8164 8164 8164	######################################		16512 16512 16512 16512 16512	116
815 811 823 823 521 5	74 (1,8944 (K)) 191,1EM 1841,1K 18,0 0 10 805 1,K = 80 10 805 1,K = 11 15CAMF = 1 003 1,K = 11 15CAMF = 1 003 1,K = 11 15CAMF = 1 003 1,0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		TEST2 TEST2 TEST2 TEST2	116
818 818 6 6 6 7 8 8 2 3 8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	### 1, ### 1 ### 1, #		TES12 TES12 TES12	111
8165 8164 8184 921 923 921	WALLEN OF 100 105 E CHIRC C		16512	
988 989 188 183 183 183	LE. 0) GO TO 805 • KT = AFRITAT. IID. CI E ONTRE M NE. 1) ISCAME M SE. 0) GO TO 831 M SE. 10 E - 10 I I I I I I I I I I I I I I I I I I		TESTS	118
818 8104 8104 8104 8104 8104 8104 8104 8	### ### ##############################			1119
886 884 828 821 821 821	DMTRZ WF.NE.1) ISCANF1 WF.GT.0) GO TO 831 FT.NF FT.N		12512	120
910 910 910 910 910 910 910 910 910 910	UNTRZ WF.NE.1) ISCANFT-1 MF.GT.8) GO TO 831 WF.GT.WFC FT KO FT MOD TO 821 FT MOD TO 821		16512	121
900¢ 1828 1823 1824 1824 1824	UNTRZ UUS. NE. 1) ISCAMF*-1 UUS. GT. 0) GO TO 831 WE.GT. 00 TO 821 E. UTGO TO 821 E. UTGO TO 821 ET STORY TO 821 ET ST		TESTS	771
8884 822 823 821 821	UMTRZ WF.NE.1) ISCANF1 WW.GT.0) GO TO 831 FELNE FELN		EXIKAD	11/4
823 823 521 521	MF.RZ MF.NE.1) ISCANF1 MF.G.R) 50 TO 831 MF.G.R) 50 TO 831 F.0760 TO 821 F.0760 TO 821 HPK,IE,K)		EXIMAD	1175
9884 823 821 5	DMINE. 103.		EXIKAD	11/6
8884 822 821 921 621	MF.NE.1) ISCANFI-1 MF.GI.0) GO TO 831 MF.GI.0) GO TO 831 MF.GI.0) TO 821 III.19 MF.GI.0) GO TO 821 III.10 III.10 III.10		EXTRAD	1111
823 823 623 521 5	003 W. (51.0) 50 TO 831 T(K) E-010C TO 821 HTK, IE, K) 100, K) = -485 (47R(IAI, 100, K))		TEST2	123
9828 821 521 5	# .61.81 50 TO 831 T(K) E 10.160 TO 821 E 10.160 TO 821 PK.1E.K) 100.10.2 = A8S(ATR(IAT, 100,K))		15572	124
925 921 921 521	<pre>14.0 14.0 15.15 15.16 17.</pre>		16316	163
823 823 521 5	T(K) E.1750 TO #21 E.171E WF,IE,K) 100,K)=-485(ATR(IAT,I00,K))		EXTRAD	1179
822 823 521 5	E.0160 1974; IE; K) 1000; C: -485 (47R(IAT, 100, C))		EXIKAD	1100
925 124 921 0	MP4,1E,K) MP4,1E,K) 100,K) = -485(ATR(IAT,100,K))		1551	287
823 823 521 5	100,K) =-485(ATR(IAT, 100,K);		101	183
823 821 6	THE PERSON AND THE PE		16512	127
823 921 0				-
923 821 5	1-191571		16512	129
823 821 C	JEI PALUF		2121	100
821 821 7	IF (ABS (CIR (I, KT), NE. ABS(A) K(IAI, Jak)) 53 13 563	153	15316	
823 821 C	ATR([AT, J, K) =- 485 (ATR([AT, J, K))		115312	131
2			TEST2	132
5	0.00		1651	210
	PLOT FINAL RADIALS.		EXTRAD	1184
	IF (.MOT.COPLOT) GO TO 871		TEST	211
			TESTZ	133
			71817	134
	U4I.Y.XI		EXTRAD	1156
	ONC/ICOMP		TEST	111
	RESURATION CALL - 51		IEST	513
	X=SCAL E* (R*SIN(A" JUTH(1) * 2PD) *4.0)		EXTRAD	1192
	TESCAL ET IR TOS CAZMOTH (I) * 2 PO) + 4.3)		EXTRAG	1193
2 123-4	JY,Y,IPO		EXTRAD	1195
ALCOURT	X=SCALE* (R*SIN (AZHOTH (NA) * RPO) +4.6)		EXTRAD	1196
Y=SCALE	Y=SCAL E* (R*COS (AZMUTH (%4) * 2PO) +4.8)		EXTRAD	1197
MRITE(Z)	ARITE(2) Y, Y, IPU		EXTRAG	1199
X= SCAL E*4.			TEST2	135
X=1			TEST2	136
WRITE(2)	WRITE(2)X,Y,IPO		EXTRAO	1203
50 70 671	11		EXTRAG	1204
331 TEMP=42	TEMP=4 ZMUTH (NA) +RPD		TEST2	137
Г	TELY 17 = 6 45 (17 HUTH (1) 4 29) - 1 E 4 P)		115372	138
575 87NOW= 47	A Z NOW A Z MUTH(1)		EXTRAD	1215
	10 15 15 15 15 15 15 15 15 15 15 15 15 15		FYTEIR	1218
1100 00 00 00 00 00 00 00 00 00 00 00 00	1(11)		FXTOAD	1219
194149-194199	10.1.1.1		1561	21.6
CATTLE CATTLE	351710		FYTPAN	1220
1100	TXTITC!		2000	-
			21531	129
871 DELR=5C	DELRESCON*CELWTH(NIZ*1)		EXISAU	2221
DACELED	DAGEL * DELK * DA ZM*1.E-S		15311	110
IF (IERR	IF (IERR .EQ. 0) GOTO 8711		EXTRAD	1223

	EXTRAD 1227	
6019 6019 6019 6019 6019 6019 6019 6019		
6711 712 712 6019 6019 6019 6019 6019 6019 6019 6019	EXTRAD 1229	
971 712 6019 6019 6020 6020 6020	EXTRAD 1231	
5019 6019 6 CAL9 9933 9933 6 0419	25	
9311 6019 6019 6019 6020 6020 6020		
9311 6019 6019 9311 9315 9315		
9311 6019 6019 9311 9313 9314	FILE 113	
9311 9315 9315 9315	•	
9311 9313 9313 9313 9313	TEST1 121	
9311 9312 9933 6020 6313		
9311 9311 9313 9313 9313	124	
93112 9953 6020 6020 6313	125	
9311 9933 9933 6020 6020	-	
9313 9313 9313 9313 9313		
9311 9313 9313 9313		
SUTTO UT STATE NUMBER OF INTERCTORY INTERCEPT	TEST2 140	
C CALAULATE NAMBER OF IT NEEK COURT IT NEEK COURT IT NEEK COURT IT NEEK COURT S IT NEEK COURT S IT IT IT IT IT IT IT		
9311	0	
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9311 9933 6020 9315 9315	-	
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9315	EXTRAD 1255	
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THE DESCRIPTION OF THE PROPERTY OF THE PROPERT		
PREC	ESTITEST ESTITEST	

13

	716 FORMAT (1X,13,5X,12,4X,F9,2,4X,F5,1,4X,F6,1,1X,F6,1,2F10,1,	TEST	137
	X1X,F8.2,2X,F6.2,4X,I6)	TESTI	136
	IF (VC. TAP) WRITE(3)K, TL(K), A BAR, ZBAR, XBAC, YBAC, IPREC, AVPREC, KNIDG	TESTI	139
145	-	TEST2	145
	9315 WRITE(6,728) IDI, TLIK), ASAR, ZBAR, XBAC, YSAC, KSAR, KCELLS, KNIDQ	11517	146
	720 FORMAT (1X,13,5x,12,4x,F3,2,4X,F5,1,4X,F6,1,1X,F6,1,2F10,1,2LX,16)	1 ES 1 2	147
		TESTZ	148
	9315 IF (.MOT.COPLOT) GO TO 9312	TEST2	149
121	XBAR=XBAC/FANG+4.	TESTI	141
	YBAR=YBAC/FANG+4.	TEST1	145
	IPU=IV UP+IDI+(K-I)+IBUDD	115372	150
		EXTRAD	1283
	2	EXTRAU	1284
155	931 CONTINUE	EXTRAD	1285
		EXTRAD	9921
-	C HALLE WIND DAIR	EXTRAD	1287
		EXIRAD	1288
	CALL Yange	EXTRAD	1269
00/		EXTRAD	1590
	TI TOWN THE TANK OF THE	EXIRAD	1531
	HELLE C. 345) IDAT, INDOK, ININ, ISEC. ELEVA SAZHOIN (I), AZNOTH (NA)	TESTI	143
	THE WAY	EXTRAD	1252
	EXT.ECO.TIS	EXTRAD	1293
(6)	HZN.1=1 150 00	EXTRAD	1294
	15 (24 NZP-11-M) - 50- 0) 50 13 921	EXTRAD	1295
	12=DEL K+2H (11, I, H)	EXTRAD	1296
	AV 2= ZH (11, 1, H) ZH (12, I, Y)	EXTRAD	1521
	IF (AVE	Ex1	20
	COMPUTE ANG WIND SPEED AND DIE.	EXTRAD	6621
	DEL=ZH(5,1,4) + ZH(6,1,4) + ZH(7,1,4) + ZH(7,1,4)	EXTRAD	1300
	1F (DEL.EQ.8.) 50 10 921	EXTRAD	1301
	VN=(2H(4.1.4) - 2H(5.1.4) - 2H(3.1.4) - 2H(7.1.H) / JEL/VQUANT	EXTRAD	1302
	VE = (24 (6,1,4) - 24(3,1,4) - 24(7,1,4) + 24 (4,1,4)) / DE L/ VQUANT		1303
175	VER= (Z H(2,1,M) + VN+ VN+ ZH(6,1,M) + VE+VE+VE+ZH(5,1,M) + 2. 8+VN+VE+ZH(7,1,M)		1304
	-	EXTRAD	1305
	C VF=ZH(5,1,M)/ZH(10,1,M)-(ZH(8,1,M)/ZH(10,1,M))	EXTRAD	1306
		EXTRAD	1307
	713 FORMAT (1H0,10x,7HAVERAGE, 6X, SHTOTAL, 5X,74AVERAGE, 1X,7HAVERAGE, 2X,	EXTRAD	13 88
780	XSHWELD CITY/IX, 6HHEIGHT, IX, 12HREFLECTIVITY, IX, 12HREFLECTIVITY, 6X.	EXTRAD	1309
	KINU, 7X,1MV,5X,8MVARIANCE,14X,3HDEL/	EXTRAD	1310
	X - 44(KM) - 5X - 54 (182) - 6X - 114 (192 - KM - 5) - 1 X - 74 (M / SEC) - 1 X	EXTRAG	1311
	X7H(M/S EC) - 1X - 11H(M/S EC) ++ 2))	FXTPAD	1312
-	50 307 72 = 21	FYTEAN	1313
785	WELLE 6.71711. AV7.17. VF. JH. VFD. DEL	EXTOAN	73.25
-	13 272 V. 1 27 V. C. 1 23 V. C. 1 23 V. C. 1 24 V. 21 VINGUA V. V.	2000	
		EXIKAD	1315
	SET CONTINUE	EXTRAD	1316
		EXTRAG	1317
	C WRITE PEAK CELL ATTRIBUTES	EXTRAD	1316
		EXTRAD	1319
	IF (.NOT.CONTRZ) GO TO 6018	TEST	228
	and the	EXTRAD	1320
-		EXTRAD	1321
***	132 TORHALLIH . PEAK DETECTED CELL ATTRIBUTES*)	EXTRAD	1322
	PRITE(5,945)IDAY, IMOUK, IMIN, ISEC, ELEVAT, AZHUTH(1), AZHUTH(MA)	TESTI	144
	WALLES STATES	EXTERIO	1373
		-	2001

1631 1631		THE PARTY OF THE P	11841	191
### \$45 FEER 77 TAY PRODUCT 22, TOWN TOWN TAY STATESTER TOWN TAY STATESTER TOWN TOWN TAY TOWN TAY THE TOWN TA		22% GHRADIAL ** STRIKES ** 6 % 12 WGL ** 12 WGL ** 2 % 6 WHA RE A 3% 6 WEAST.	1 6571	140
### ### ### ### ### ### ### ### ### ##		AZT SEMEDETH ZX SHEMMER ZX . SHEM NOT SX . SHEM E BY . SMS WE BY . SX	TEST	169
STRICKET CALLED TO BEEL		45HSHEAR, TX BHVELOCITY, 2X, THGONTOUR, J, 2X, 2HID, 5X, 5H (DBZ), 5X,	T EST1	150
656. 60 10 10 10 10 10 10 10		5 (MIKHWW2) + 2X5 6 HIKMY + 5X5 6 HIKMY + 5X5 6 HIKMY + 2X5 6 HELENENIS + 5X5 9HIM/ 51 5	TEST	151
ITTPEED		65X,8HEM/S/KM), 2X,8HEM/S/KM), 4X,5HEM/S),5X,9HREFERENCE)	TEST1	152
ITTORNE 3	2	IF C.MOT. WOLTHPIGG TO 6021	1631	622
C CALCULATE WHORE RO F PEAK RAIN CELLS DUNY 133 TESTED		ITYPE= 3	16571	153
			EXTRAD	1331
DUMY 313 TEST			EXTRAD	1332
			EXTRAU	1333
### 12 COUNTING ###################################			TEST	230
9333 CONTINUE 6021 D0 933 EAGMENT TO THE TOTAL			EXTRAD	1335
			EXTRAD	1336
1231 1231	-		EXTRAU	1337
Property 1 1 1 1 1 1 1 1 1			TEST	231
UP (M, 5) = UP (M, 5) TUP (M, 2) TUP (M, 2	-	T	TEST	282
UP (N. 4.) E 190 (N. 5.) 1/0 (N. 1) 1/321MT UP (N. 5.) E 190 (N. 5.) 1/0 (N. 1) 1/321MT UP (N. 5.) E 190 (N. 5.) 1/0 (N. 1) 1/321MT UP (N. 5.) E 190 (N. 5.) 1/0 (N. 1) 1/321MT UP (N. 5.) E 190 (N. 5.) 1/0 (N. 1) 1/321MT UP (N. 5.) 1/2 (N. 6.) 1/3 1/2 (N. 6.) 1/3 1/2 (N. 6.) 1/3 1/2 (N. 6.) 1/3 1/2 (N. 6.) 1/2 (N		UP (N.3)=UP (N.3)/UP(N.2)/10E02	TEST	233
UP (W.2) = UP (W.4, 2 / VUP (W.1) / 22 JM WT UP (W.4) = UP (W.4, 0 / VUP (W.1) / VQUANT UP (W.4) = UP (W.4, 0 / VUP (W.1) / VQUANT UP (W.4) = UP (W.4, 0 / VUP (W.1) / VQUANT UP (W.4) = UP (W.4, 0 / VUP (W.1) / VQUANT UP (W.1) = UP (W.4) / VQUANT / VQUANT UP (W.1) = UP (W.4) / VQUANT / VQUANT UP (W.1) = UP (W.4) / VQUANT / VQUANT UP (W.7) = UP (W.4) / VQUANT / VQUANT UP (W.7) = UP (W.4) / VQUANT /		UP (N.4)=UP (N.4) TUP (N.2) / 10 E 0 Z	TEST	234
UPINTS) = UPINTS) = UPINTS UPINTS		UP (N,2)=UP (N,2)/UP (N,1)/22UANT	TEST	235
UP (N. 1) = UP (N. 1) + UP (N.		UP (N.5)=UP (N.5)/UP (N.11/SQUANT	TEST	236
UP (M., 1) = UP (M		UP (N.8)=UP (N.8)/UP (N.1)/WQUANT	1651	237
PER		UPIN, 61-UPIN, 61/UPIN, 11/VQURNI	TEST	238
REARES DESIGNATION (19 19 10 10 10 10 10 10 10 10 10 10 10 10 10		UP (N,1)=UP (N,1)+0EL2/1,506	TEST	239
RECLISATION		RBAR=SCRITCOF(N,31+UP(N,41+UP(N,41)	TESTI	154
UPFUR, 73 - UPFUR, 73 - UPFUR, 23 - UPFUR, 93 - UPFU		RCELLS=UP(N,1)/(RBAR+DASE.)	TEST1	155
IUP-UP (M. 9)	2	UP (N, 7)=UP (N, 7) 7UP (N, 1) * 1. 0E - 3/VQUANT	TEST	052
WILLE GATE IN W. OUT UN. 21, JUPUN, 31, UPT UN. 51, UPT UN. 51, UPT UN. 51, UPT UN. 51, UPT UN. 83, UPT UN. 84, UNI UN. 84,		IUP=UP (N,9)	TEST	241
X, UP(N, 7), UP(N, 6), UP(N, 1), UP(N, 1), UP(N, 5), UP(N, 5), UP(N, 7), TEST FURCATION OF TOWN OF TOWN OF THE TEST FUR UAL POPEN OF TOWN OF TOWN OF THE TEST YRECHOLINGSTOWN OF TOWN OF THE TEST XX, FT. Z, X, FT. Z, 5X, FT. Z,		WRITE 16, 7181 N, UPIN, 21, JPIN, 11, UPIN, 51, UPIN, 41, KBAK, KCELLS, UPIN, 51	LESTI	156
TEST		X,UP(N,7),UP(N,6),UP(N,8),IUP		157
TETANOTICUPLOTOTION TEST TEST		TY COL INT. I ELSS OF IN. 23, OT IN. 13, OT IN. 53, OT IN. 51, OT IN. 52, OT		245
YREGULT YREG		The first the first transfer and tran	1881	766
TRESTORMATICATORNGS		X POT DE LOCATION OF THE PART	TESTA	150
FULL FORMATICE, STREE, PEG. 11 FG. 1, 1X, FG. 1, 1X, FG. 1, 3X, FG. 1, 3X, F7.2, TEST		VOTE THE ALL VOICE	ESTA	159
T18		I THE THE PART OF	TEST	548
X3.7.7.2.3X.F7.2.3X.F5.1.6X.F6.1.1X.F6.1.1X.F6.1.3X.F6.1.3X.F6.1.3X.F7.2. TEST1 X3.7.7.2.3X.F7.2.3X.F7.2.3X.F7.2.3X.F7.2.3X.F7.2.1.3X.F7.2.3X.	-	101 - 131 - 1	TEST	052
### ##################################		718 FORMATTIL. 5X.F5.1.6X.F6.1.1X.F6.1.1X.F6.1.1X.F6.1.3X.F6.1.3X.F6.1.3X.F6.1.3X.F6.1.3X.F7.2.		160
### ##################################	-	13. 17.7 31. 17. 17. 18. 19.		191
### ##################################			EXTRAD	1356
######################################		1	EXTRAU	1359
EXTRAU CALL PAGE MAITE(6,942) MAITE(6,942) 942 FORMATITY—* TANGENTIAL SHEAR HAXIMA ATTRIBUTES*) MAITE(6,942)			EXTRAD	1360
6010 IF (.NOT.GONTRV) GO TO 6011 CALL PAGE WALTEC 6.942) 942 FORWAR (14 .* IMPERITAL SHEAR MAXIMA RITRIBUTES*) 844 FORWAR (7.1 x, 4.1 x, 1.10 UR, 1.1 x, 2.1 x, 2.1 x, 2.1 x, 1.1 x, 1.1 x, 1.1 x, 4.1 x,			EXIMAD	1361
## FATHER			TEST	251
## ## ## ## ## ## ## ## ## ## ## ## ##		בעור העפב	EXTRAD	1362
942 PORMARICH ** INACENTIAL, SELENAR AINTEDUES** 942 PORMARICH ** INACENTIAL, SELENAR AINTEDUES** 945 FORMARICH STANGAR, ININ, ISC. ELEVAR AZMUTHINA I 1651 945 FORMARICH STANGAR, ININ, ISC. IX, IS. X, SHELE, SX, SHAZHI, 5X, IEST 946 FORMARICH STANGAR, ININ, ISC. IX, IS. X, FS. 1, 5X, FS. 1, 5X, FS. 1) 157 FORMARICH STANGAR, ISC. IX, ISX, STANGAR, ININ, ISS. I 1551 115 X ALECT STANGAR, ISX, ININ, ISX, ININ, ININ		WRITE(6,942)	EXIKAD	1363
######################################	5	942 FORPATITH .* TANGENITAL SHEAR HAXIMA ATTRIBUTES*!	EXIMAD	1364
9.65 FORMAT (/,IX,4H DAY, ZX,6H4HM, ZX,ZHSS,5X,8HELE,5X,FHAZMI, 5X, FS,1) FS,1 • SHAZAC ,/,IX,14,2X,2I2,1X,13,2X,F6,1,5X,F5,1,5X,F5,1) FS,1 RETTEC 6,75) 7.15 FORMAT (/,6DX,*AVERAGE*,15X,*FIXED*,/,7X,*HAGNITUDE*,15X, FIEST X*COLTATION*, IX,*SPREAGE*,4X,*CONTOUR*,/, FIEST 29K,*GSHERR*,6X,*AREA*,4X,*ERST*,8X,*NORTH*,3X,*RRNGE*,2X, FESTI 3*RESQLUITON*,1X,*SPREAG*,4X,*SHERR*,4K,*REFEEENCE*,7,2X,*ID*,3X, FESTI			TEST	252
######################################			TEST	553
TIS WRITE(8,155)			IESI	467
7.15 FORMAT (4.60% * DVERAGE*,13%,*FIXED*,/,7%,*MAGMITUDE*,15%,		WAITE(6,715)	EXTRAD	1365
X*(DCGFION) 115 X *AREA*, ZY. *VELOCITY*, 3X, *AVERAGE*, 4X, *CONTOUR*, X, Z GK, *SHEAR; *EK, * AREE*, 4X, *EAST*, *SX, *VORTH*, 3X, *RANGE*, ZX, TEST 3 *RESQLUTION*, 1X, *SPAERD*, 5X, *SHEAR*, 4X, *REFERENCE*, 2X, *10*, 3X, TEST	0	715 FORMAT (/, 60x, * AVERAGE*, 15x, *FIXED*, /,7X, * HAGNITUDE*, 15x,	16511	162
19.7 * AFERE . 67. * PLOUIT . 5.3. * VERSTE . 73. * VERTURE . 72. * 10 34. † EST. 3.42 S. J. I. I. S. S. P. E. B. S.		X-LUCATION.	1551	165
3-RESOLUTION-, 1x, PERENCE, 3x, PSHERP, 4x, PREFERENCE, 4xx, PID-, 3x, TEST1	-	110 X S. MELER S. C. S. S. C. C. C. C. S.	1531	101
STATE OF THE PARTY		ACTION TO SECURE AND ACTION TO SECURE AND ACTION TO SECURE AND ACTION TO SECURE AND ACTION TO SECURE ACTION	1231	165
		Sees of UTION . IX. SPREND SHEAR KEPEKE NEE . / . CX. IU SX.		100

		5*ELEMENTS*,1X,* (H/S)*,5X,8H(H/S/KH)]	TEST	166
		IF (.MOT. WOLTAP) GO TO 6022	TEST	255
		Tree of the second seco	TEST1	169
100	124 4	TOOM IT TO THE BEST OF THE PARTY OF THE PART	CALKAD	13/0
	,	DO GOLT THE MUSE	EXTOAD	1372
-		15 (UV (17.1) - (E. n03. UV (17. 2) - FD. 0.) 50 TO 994.3	TEST	756
		IC CUMT = IC CUNT +1	EXTRAD	1374
	2956	CONTINUE	FXTRAD	1375
598		WRITE (3) ITYPE, ICOUNT	EXTRAD	1376
	2209	DO 943 N=1. WCEL	IEST	152
		IF (UV(N,1), LE. 0.0.02. UV(N,2). EQ.0.)60 TO 943	TEST	256
		UV (N, 4)=UV (N, 4) / UV (N, 2) / 1. GE 03	TEST	652
		UV (N, 3) = UV (N, 3) / UV (N, 2) / 1.0 E 0 3	1631	260
870		UV (N, 2) = UV (N, 2) /UV (N, 1) /VQJANT	TEST	261
		UV (N.5.) = UV (N.5) / UV (N. 1) / SQUAN!	IEST	242
		OV (N. 6) = OV (N. 6) VOV (N. 1) VOUN	123	243
		UV (N.1) = UV (N,1) - DEL 2/1.0 = UB	IEST	492
**		TOP	15311	110
616	-	KUELLS HUY IN 11 / KABAK DAJE J	100	177
		TOWARD (N. 7)	1651	592
		HALLE COLLEGE TO THE COLLEGE TO THE TOTAL	115311	11/6
		TE CAN TENNANTE CANADA 21. LACE AT LIVER AT LIVER AT LIVER AT LIVER ST.	115311	113
25.0	-			200
		IF C.NOT.COPLOTISO TO 943	TEST	240
	-	XREG=0V(N-3)/PANG+4.0	TEST	176
		YREG=UV(N,4)/RANG+4.0	TESTI	175
		IPU=ISUP+H	181	212
885		MPITE(2)XREG, YREG, IPU	TEST	273
	FIL	714 FORMAT (1X, 14, 2X, F7.1, 3X, F7.1, 1X, F7.1, 1X, F7.1, 3X, F7.1, F7.1,	TESTI	176
		X3X,F7.1,3X,F7.1,4X,14)	TESTI	177
		343 CONTINUE	EXTRAD	1391
	3		Ex2	110
069	3	DOTFUT SPREAD DELLS	273	111
	2		EXZ	112
	1109	IF C.NOT.CONIRSTED 1413	TEST	512
-	-	CALL PAGE	EXZ	113
		ANTICON TO THE CONTRACT OF THE	£ x 2	114
1	2220	THE STATE OF THE S	277	1112
		METATOR SOCIAL STREET, TOUR STR	223	911
-	900	CONTRACTOR OF TAXABLE AND ADDRESS OF TAXABLE AND TAXAB	2 2 2 2	011
		TOTAL	100	110
200	-	TICHTOLOGY OF THE TOTAL OF THE	100	11.3
,		THE THE PROPERTY OF THE PROPER	1231	
	-	ביינו מיינו מיינו איינו	-	-
		2000 0 00000000000000000000000000000000	100	
		11.11.2	100	195
305		THE TARE OF CO.	2 2 2	121
	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27.2	101
		17 NOVE TO TO THE TOTAL TO THE	223	
	2300	1.1001	24.2	162
	*****	THE STATE OF THE S	243	125
818	5613	133M 1-M 775 00	TEET	280
:	200	מים מיד אי־וֹדְאַמְנְרָר	1631	200
		110 00 000 000 00 00 00 00 00 00 00	***	

SUBROUTINE CONTOR	E CONT	0E 74/74	0PT=2	FTN 4.6+428	05/04/78	05/04/78 21.36.09	PAGE	11
		IN IN . TIETH	STR. 33 = 115 TM. 33 ZHS TW. 23 ZT. TE 113					
		200	the state of the s		IEST	263		
		US (N. 2)=US (N	US (N.2)=US (N, 2) /US (N, 1) /SQUANT		TEST	264		
915		US (N. 1.1=US (N	JS (N, 1)=US (N, 1) *DEL 2/1. JE U6		TEST	582		
		RBAR=SGRT (US	RBAR=SGRT (USCN, 3) *USCN, 31 + USCN, 4) *USCN, 4) 1		TESTI	183		
		ACELLS = US IN,	PUELLS = US (N,1) / (KBAR* DA)EL)		TEST	184		
		105=US (N, 5)			TEST	266		
		WRITE 16,7211	HRITE 16,7211 N. US (N. 21, JS (N. 11, US (N. 31, US (N. 4), KBAK, RCELL S, 1US	, KBAK, RCELL S, IUS	TESTI	185		
920	721	FORMAT (14,1X	721 FORMAT (14.1X,FT.1,3X,F6.1,2X,F6.1,1X,F6.1,3X,F7.1,2X,F7.1,5X,14)	7.1,2X,F7.1,5X, I4)	TEST1	186		
		IF I VOLTAPINE	IF THOL TAPINRITE (3) US (N, Z), US (N, I), US (N, 3), US (N, 4), IUS	1,41,105	TEST	592		
		IF C. NOT. COPL	IF (.NOT.COPLOT) GO TO 944		TEST	290		
		PREGEUSTN, STYRANGES.	PRANCES.U		TESTE	181		
		TREG=US(N,4)/RANG+4.0	/RANG+4.0		TEST1	188		
526		IPU=ISSP+N	The second secon		TEST	552		
		WRITE(2) XREG, YREG, IPU	, YREG, IPU		TEST	554		
	396	CONTINUE			EXZ	160		
	1413	WRITE(6,950)	HRITE(6,950)KNID, NMR, NMJ, NMS		TEST	295		
	156	PURREI LIND.	FORMAT (1HU, 10HTOTAL 10UF, 416)		IEST	952		
930		ISCANF =0			EXTRAD	1354		
		IF IPRINTED CALL PRINTERS	ALL PRIZEZI		TEST	189		
		RETURN			EXTRAD	1398		
		END			PATRA	1399		

550000			
	PEAKDOUS, 138, FM, ITY, UP, NCELL, TATR, NJHAX, IACT, IDC, IPTS,	TEST	298
55 00000 0000 0000	+TB.I FBMT, IPCRNG, 48, 4MX, IP81, IP82, IP83)		588
500000			1463
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IRRAYS		141
0 0000			1405
0 0000	D LEVEL //DIIZ	CAIKAD	1400
0 0000	9000	EXTRAD	1407
0 00000	DE LEMITNES FERR VALUES AND INCLE ALIKEDOLES.		7480
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 01 7470/74 391	TEST	180
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6			
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	TATE OF COLUMN TO THE CONTRACT OF THE COLUMN TO THE COLUMN	1651	100
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		100	200
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	THE PROPERTY OF THE PARTY OF THE PROPERTY OF T	1667	3 2 2
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 5676	100
0 00000 00	COMMON /PMORK/ IPTG(22), 12(30,22), IPCNT(38,22), KMAX, T(58), JMXD8,		386
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	100 to 10 20 to 10 20 20 20 20 20 20 20 20 20 20 20 20 20	1	10.5
0 00000 00	COMMON/PEFL/W (173), 4I (173), 4 J(173), HR(173), NNCL, NI D, NIDP, WCL	TEST2	151
0 00000 00		TESTZ	251
0 0000	COMMON /VEL/ V (173), VB (173), VS (173), SV (173), VS (173), SVI (173),	TEST	309
0 00000 00	11737	TEST	310
6 6 60000 00	COMMON /FIKED/ IC(4,22,2), 18(4,22,2), NPA, IEMAK, NFC, ICVNT(2),	TEST	311
0 0000 00	18881 121, 11415, 120, 21, 181, 810F, 403 (21, 105L07(120, 2)	TEST	312
00000 00		EXTRAD	1420
<u>.</u>	COMMON ASTORE/ AC.AA.88.SL.CL.TV.TSV	EXTRED	1291
60000 00	COMMON/INSUB/ TL(2), LT, TOM, DN, STARTR, STOPR, RN(4), SCON, CELMTH(3)	TEST1	191
00000 00	· ICOMP .VHIN.SVHIN.ESTART.DELT	TESTZ	153
00000 00	COMMON/AZM/ AZMUTHIGGOI, NA, ELEVAT, PRF, KEEP	EXTRAD	1425
00000 00	COMPON /KDATA/ IDAY, IHOJZ, IMIM, ISEC, NI P, NSF, NDO, NRC	EXTRAD	9251
00000000000000000000000000000000000000	COMMON /AZZ/SAZ,CAZ,DAZ,ISCANF,NEL	EXTRAG	1429
0 0410 X 788 X 1011 X 1	COWNON FILTER/TATERN, ARTAN, DAZH	TEST	251
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/ERFOR/ IERR	EXTRAD	1432
SC SNC= SCO MAX: MA MAX: MAX: MA MAX: MAX: MA MAX: MAX: MA MAX: MAX: MA MAX: MAX: MA MAX: MAX: MAX: MA MAX: MAX: MAX: MA MAX: MAX: MAX: MA MAX: MAX: MAX: MAX: MA MAX: MAX: MAX: MAX: MAX: MAX: MAX: MAX:	W.	EXTRAD	1433
SCONC=5CO SCONC=5CO NA X=NA NA X=NA IF N= ICWNT IF LA G= 0		EXTRAD	1434
0 SCONCE SCO NA X=NA NA X=NA 1E H= IC WH? 1F LA G= 0		EXTRAD	14.35
SC S	IEM IS NO.DF EVENTS IN C RADIAL.	EXTRAD	1436
0	INITIALIZE AND SENERATE HC ARPAY	EXTRAD	14.37
00		EXTRAD	1438
60	*CEL WIR INTP+1)	EXTRAD	1439
00		CALINAD	10.00
# #I		TEST	100
* 411		11673	133
	TORREST STORY	243	***
- 1		203	977
1 = 1.1		242	143
	HAVE SHEAK	242	120
6=67		273	121
IF (ITY .EQ. 1) LM=9	111,629	EXZ	152
	/=W1(2	1531	314
1 AMELA-1		EXIKAD	1444
IDECT IN		EXTERNO	1442
W.LTSACL"		CALKAD	1440
LURX=(NUMAX-2)/LM	1-21/L*	EXIKAD	1441
	IF (LDB.GT.LOHX) LOB=LO4X	EXTRAD	1448
55 COBM=108-1		EXIKAD	1449
WIND SEARCH		EXIKAD	1450

	IDZ=14 (LDB-11+LM 15 (NA. NF. 1. OP. 15CANF. NF. 0) 60 TO 2109	EXTRAD EX1	2541	
		FXTRAG	1656	
	C ZERO ARKAYS	EXTRAD	1455	
		EXTRAD	1456	
	NHX=1	EXI	99	
	DO ZION I=1,NICP	E X 1	16	
	IACT (I P=0	143	35	
	2468 TATELLIST	TEST	315	
		EXI	69	
		EXTRAD	1457	
-	IP7C117=1	EXTRAD	9541	
	00 21 K=1,KMAX	EXTRAD	1459	
		EXTRAD	1460	
	21 IPCNT(K, I) = 0	EXIKAD	1461	
	00 22 J=1,1MAX	EXTRAD	7941	
75	IPCI (J)=0	CALICAN	2001	
	22 TPC(J)=1	EXTRAD	1465	
		EXTRAD	1466	
,	C OUTER C EVENT 30P	EXTRAD	1467	
		EXIKAD	1468	
	1046 JEM=IBWNF(1)	1163	130	
	IF LIEM CT VOLTEM-VO	Fri	150	
	IT LE EN OUI ORRI I CHARR	LALLAND	1670	
85	IIO1=IC(NPA,IE,1)	EXTRAD	1471	
	IF ULIUIANE, UTGO TO 3510	115311	156	
		T ES 11	197	
	9511 FURMAT(* IIUI=*,1IU)	16511	199	
	20109	LISTI	200	
		EXTRAG	1472	
	Daldi	IEST	102	
	IF (IE, GT, 1) IPL = IOC (IE - 1)	IESII.	202	
96	IF(IP, E0.0, 0P, IPL, E0, IP) 50 TO 951	TEST1	203	
		TESTI	502	
	IF (IP. GT. JMAX) IP= JMAX	Ex1	19	
	JE I # U	EXIKAD	1476	
	JE 2=0	EXTORD	1678	
	FIND 8 FVENTS ASSOCIATED WITH C EVENTS.	EXTRAD	1479	
		EXTRAD	1460	
	·	EXTRAD	1401	
	IF (JER .EG. 0) 60 10 41	EXTRAD	1483	
105	IF (JEM.GT.KR) JEM=KR	EXI	999	
	16 (16 (2. 15. (1 . 17. [C(1. [F.1]) GO TO 3)	EXTRAD	1465	
-	IF (18(1, JE, 1) . GT. 16(2, 1E, 1)) GO TO 41	EXTRAG	1486	
	JE2=JE	EXTRAD	1487	
		EXTRAD	1468	
-	31 CONTINUE	EVIDAR	1600	
	THE STAN THE SALES FOR TE EVENT	EXTRAD	1491	

115	19	00 St. 1=1. 18 00		EXTOXO	1971	
	51	1(3)=0		FXTRAD	1494	
		NTHRES=1		E X 1	69	
		IF (IP. LT. IPL) GO TO 951		TEST1	205	
		DO 71 LEIPLAIP		EXTRAD	1495	
120		IK1=IPCRN61L)		TEST	316	
		IF CIRI-LE 0.0K.IKI.6E.NJL)60 TO 951	•	TEST	317	
		TECTOR AND TO THE AND THE PARTY OF THE PARTY		1531	210	
		00 711 K=19-L08		FEST	320	
		II=IABSTUTIFIII-IN-K+1		EXTRAD	1499	
		IF (IT.LE. 0) GO TO 711		TEST	322	
		IF (IT. GT.JMXDB) IT=JMXDB		EX1	11	
		IF CLUL IN-EGAUTHIRES-NI 4KE S#1		Ex1	72	
	711	CONTINUE		FEST	73	
	1	CONTINUE		13.1	200	
	712	IPSRT=0		TEST	325	
		IF INTHRES. GT. KHAX) IPSRT=NTHRES-KHAX		EXI	75	
		IPT=1		EXTRAD	15 02	
		DO 91 L=1,JWYDB		EXTRAD	1503	
				EXTRAD	1504	
	5	16 (1Pl ,1E)=[+ IR-1 10 SDI-10 SDI-1		EXTRAU	1505	
		TEACH IN SECOND		EXI	9/	
		IPT=IPT+1		EXI	11	
-	16	CONTRUE		EXIMA	15 00	
		IPT=IPT-1		EXTRAD	1508	
		IF (IPT - GE . JR) IPT= JR		EXI	181	
		IPTC (I E) = IPT		EXTRAD	1509	
		1F(1PI-LE-10-00 10 951		EXTRAD	1510	
		CHATTAN ON THE TANGE OF THE STATE OF THE STA		EXIKAD	1511	
	. 0			EXTRAD	1513	
		IBGW=IC(1,1E,1)+1		EXTRAU	1514	
		DO 161 IETBEN IND		CAIRAD	6161	
	v			FXTRAD	1517	
	3	LOOP ON THRESHOLD		EXTRAD	1518	
	u			EXTRAD	1519	
	101			EXTRAD	1520	
		15 (U(1):Eq999) 60 10 141		EXTRAD	1521	
		60 TO 141		EXTRAD	1522	
	H	IF (U(1-1),E0,-999) GO TO 121		FXTRAN	1574	
		(I-1)).LE		EXTRAD	1525	
		60 10 131		EXTRAD	1526	
-		THE PERSON NAMED AND PARTY OF THE PE		EXTRAD	1527	
	ى د	START RANGE FOR SEGMENT (CONTOUR)		EXTRAD	1528	
-	121	IPCNT(K, IE) = IPCNT(K, IE) +1		FYTOAN	16.30	
		IF (IPCNT(K, IE) .LE. IMXJMK) GO TO 1211		Ex1	52	
	1212	MRITE(6,1212)[TT+K,1E FORMAT(2Y, *WILMOED OF SECHEMIS EXCEEDS THYR, 2144)		EXI	0.0	
-	121			EVI	10	
		IREG=I-1		EXTR!	1532	
		CALL IPK(IPCI, IREG.IPE. C. IF. IR.		MANA		

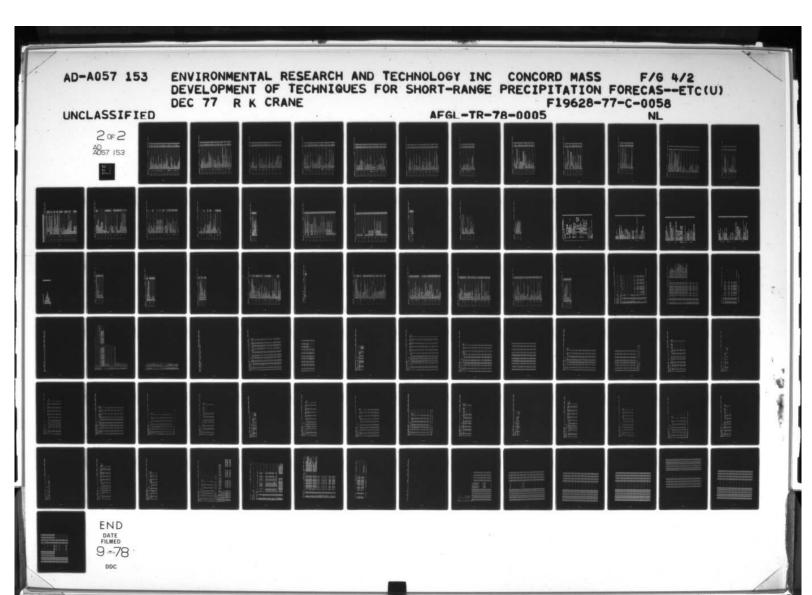
	131	CONTINUE GO TO 161	EXTRAD	1534
175	. 0	END RANGE FOR SECHENT	EXTRAD	1536
	141	00 151 KL=K,IPT	EXTRAD	1536
		TF (U(I-I).Eq999) 60 TO 161 IF (IABS(U(I-1)).LE.TC((L.IE)) 60 TO 161	EXTRAD	1540
181			EXTRAD	2951
	181	CALL IMILACS, INEG, IPE, (L, IE, IK, JR)	EXTRAU	1544
	161	CONTINUE	EXTRAD	1546
103	200	ASSOCIATE CELLS LOOP ON THRESHOLD HIGHEST TO LONEST	EXTRAD	1548
	0		EXTRAD	1549
	846	00 941 LC=1,1P1 KC=TPT-LC+1	EXTRAD	1551
190		IF IKC. LE. 03 GO TO 941	EXTRAU	1552
		NPC=IPCNT (KC, IE)	EXTRAD	1553
	o	CFUNC.LE. DIGG TO 941	EXTRAD	1554
		UO 931 IPE=1,NPC	EXTRAU	1556
195		[MB=IUFK(IPC1,IPE,KC,IE,IR,JR)+1	Ex1	63
		INDELINELINES INC. IE. IS. JR.	Ext	9 %
		K=KC+1	EXTRAD	1557
100		Tarken.	CALKAD	1220
		ZF (K.GT.IPT) GO TO 193	EXTRAD	1560
		(PE:IPCNT(K,IE)	EXTRAU	1961
-	600	AF (LPE.LE. 0750 10 193	EXIKAL	1562
502	727		TEST1	207
		(F TIUPKTIPCI, L, K, IE, IK, JK) .GT. IMU) GU TU 193	FYTPAN	1568
		1. INFCEL.EQ. 0160 TO 1911	EXTRAU	1569
		TATH=AMAX1 (TATM,TATR(NP3E.,1))	T 65T	327
210	٥	IF ITATH.EQ.TAT FINDCEL, 11) NPC=4PCEL	FXTPAD	328
	2	NPCEL IS FUK NEXT HIGHER TENCLUSEUT THRESHOLD ON G KAUTAL EXTRAD	AL EXTRAD	1573
	S		EXTRAD	1574
316	2.51	CONTINUE	TEST	925
2	121	מאין זאסני	EXIKAD	15/6
	932	NPK=-NPCEL	EXTRAD	1576
		CO TO 193	EXTRAD	1579
	1911	NPK=-(NIDP+1)	Ex1	85
022	ى د	ASSOCIATE CELLS ON B PADIAL. TOP DOWN	EXTRAD	1581
	20.	707.4	EXTRAD	1563
	195	0 = 1	EXIKAD	1584
225		74 TH = 0.	FXTRAD	15.87
		1F (JE2.EQ.0) GO TO 361	EXTRAD	1594

	IF (18(1.1E.1). GT. 141) G3 T0 361	TEST	210	
236		FXTRAD	1598	
	IF EVENT ON A SADIAL 25 ASSOCIATED	UNGLAS	16.00	
		FXTRAD	16.40	
112	IBC3EID1813E1	PETER	TENT	
	IF (IPB -LE - 0)50 TO 251	EXTRAD	1602	
235	50 291 L3=1,IP3	EXTRAD	1603	
	K8=1P9-L9+1	EXTRAD	16 04	
1	FP (= IP GMT (KB, JE)	EXTRAD	1605	
	IF (NP1.LE. 0)GO TO 291	EXTRAD	1606	
	00 ZEI JPE=1, HPI	EXTRAD	1807	
240	IF (IUPK(IP32, JPE, K3, JE, IR, JR), LT. IHBM) G3 T3 281	TEST1	211	
	IF (IUFK(IP81,JPE,K3,JE,IR, JR),GT,IHD) GO TO 231	TESTI	212	
	LPGEL= IUPK(IPB3,JPE,KB, JE, IR, JR)	EXTRAD	1612	
	IF (LPC FL - EQ - 0) GO TO 281	EXTERED	1616	
	IF (TC(KC, IE) . LE. 13(KB, JE)) GO TO 282	EXTRAD	1615	
592	IF (19tks, JE)+1.L1.14tk(, PCEL, 17)GO TO 281	TEST	330	
282		16511	213	
		1861	411	
	#PK=LFCFL	FXTDAN	1619	
	15 M	CALCAN	46.78	
250	37=#67	EXTRAD	1621	
187	# 15 E	THE PARTY OF	1877	
162		CYTOAO	1622	
261	-	DESCRIPTION	1053	
•		57.1	4701	
255	Uni - ani = 1 751 00	103	200	
	(HB(D) . EQ.	FX1		
	25 DI 05(8014(5:152)31-15-(11)8H) 28H1) 41	113	70	
151		57.1		
	1	17.3	1.5	
260 3661		1651	333	
-		HEALT.	1627	
166		EX1	53	
,	1	EXTRAD	1629	
0	HAVE B COMPAPE AITHIN RANGE	EXTRAD	1630	
292		EXTRAD	1631	
195	CONTINUE	EXTRAD	1632	
	IF (MPK.FG.6.4ND.NPK.EG.3)50 TO 631	EXTRAD	1633	
2		EXTRAD	1634	
		EXTRAU	1635	
2 2 2	Z	EXTRAD	1636	
	NPKEB-AND-NPK-15-8 - B CONTARE	EXTRAD	1637	
0	HIGHEST THIS RADIAL	EXTRAD	1638	
U		EXTRAD	1639	
	IP (MPK .EQ. 0.4MU.NPK 1.31.50 TO 931	EXTRAD	1640	
275	IF (MPK.NE. 0)50 TO 421	EXTRAG	1641	
0		EXTRAD	1642	
	NO PRIOR RADIA. FOR COMPARISON, INCREMENT NFCEL	EXTRAD	1643	
3		EXTRAD	1644	
195	TPURELENDA	EXTRAD	1645	
200	IT THE SECT. 1 SHOT ISCAN. SECT. 17 CO TO 392	EXIKAD	1546	
	OF TES 1-THE THO	EXTRAD	1647	
	TO SOC IT INSTITUTE OF THE	EXIMAD	1546	
	15 CHOCKET 15 CT 1	EXIKAD	1649	
346		EXIMAD	1650	

265 168 E55	INDESTITE (NDCEL . 1) - TC (K 2. TE) -1		1631	334	
	IF (INDX-6E-LDB-0R-INDX-1E-0) 6010 366		EXTRAG	1653	
	TAET TEN TEN TEN TEN TEN TEN TEN TEN TEN T		TEST	335	
	IN X= IO X+ IND X+LP		EXTRAD	1657	
162	AF CTAT KENPEEL, INJ. NE. U JK. WA. EU. 1760 TJ 3921		TEST	336	
	IF (TATR(NPCEL, IN-LM4).LE.0.)60 TO 931		TEST	337	
	MPC=NPCEL		resi	338	
	NPCEL= TATR(NPCEL, IN-LMM)		151	555	
	IF (MPC.EQ.NPCEL)GO TO 931		FYTOAD	340	
643	60 10359		CA MAD	2007	
1366	TAIL INVITED AND COLOUR STATES AND STATES AN		TESTA	214	
	ISPETHE		TESTI	512	
	DO 411 I=IST, ISP		EXTRAD	1665	
308	R=SCONC* (FLOAT (I-115)		EXTRAD	1666	
	RU=R*ABS (FLOAT (U(I)))		TEST	344	
	TATRIMPOEL, IN 1) = TATRIN - CEL, IN 1) + UAZ*K		TEST	345	
	INTRINCEL, INTEL INTRINCEL, INTEL THE CONTRE		1531	240	
105	TATORNOCE, TNAKE TATORNOCE, TNAKE AND TOTAL		TEST	348	
200	TE CITY FOLDING TO ATT		EXZ	154	
	IF (SV(I) .NE999)		TEST	349	
	PIRIRINPOEL . INPSTATRINPSEL, INPSTRUAZORESVIII		TEST	350	
	JF(ITY.6E.2)60 TO 481		TEST	351	
310	JF (VII) -EQ 999160 TO411		EXTRAU	2/91	
	TATE (NPCEL, IN+8)=IAIK (N";EL, IN+8) +UAC****(I)		16311	017	
	IF (V(I -II .EQ999) GG TG 401 TATR(NPCFL.IN+7)=TATR(NPCFL.IN+7)+DAZ*R*(V(I)-V(I-1))		TEST	352	
103	IF (PS (17 - EUs - 999) 60 13 411		EXTRAD	16/6	
315	TATR (NPCEL, IN+6)=TATR(NPCEL, IN+6) +R+VS(I) +DAZ		TEST	353	
1119	CONTINUE		EXTRAU	1678	
613	AIKINFUEL, INXI = SIGNIFL JAIINAI, INIKINFUEL, INXII		1531	224	
	JF (NA. EG. 1) JA I M M M M CEL, JAX) = SIGN (JAIR (NPCEL, JAX) - 1.0) JF (TST., F. TM., OR. ISP. GE. IMX) JATR (NPCEL, LOX) = 999.		TEST2	154	
925	IF LIST .LE. IMM. UR. ISP. SE. IMX) TATREMPCEL. UX) =-999.		TESTZ	155	
	60 10 366		EXTRAD	1682	
2995	MPCEL = -NPK		EXTRAD	1683	
	IF (NPC EL . GT . NI UP. UK. NPC EL . LE. 0) GU 10 931		EAI		
325 C	JAUX = I AIK (MACEL + 1) = 10 (K.) + 1E/-1		EXTRAD	1686	
	COMBINE LPGEL WITH WPCEL AT THIS LEVEL		EXTRAD	1687	
o	COMBINE BY SETTING AREA AS POINTER AND IDX TO NA	0 =	EXTRAD	1688	
	201 171 200		EXTRAD	1689	
	UU 305 L=19LFE		EA I NAD	200	
330	TF (10PK (1PC) - (* 1F.1R. 12) . GT. 1HD) GO TO 931		TESTA	218	
	I PUET E TUDE (TPUE 3 L. K. 1E . I &		EXTRAU	1695	
341	JF (LPC EL. EQ. 0) GO TO 365		EXTRAD	1696	
	AFITATRILPCEL, IDAI.EQ. U.150 TO 365		TEST	358	
335 351	IF (NPCEL .EQ.LPCEL) 60 TO 365		EXIKAD	1096	
	IF (IND X, GE, LDB) GO TO 365		EXTRAD	1700	
	IF LIND X.LE. D) INDX=0		EXTRAU	1701	
	IND=ID X+INDX+LM		EXTRAD	17 02	
341	IF CTATRCLPCEL, INDI.EG. 6.150 TO 365		TEST	360	
	IND=INDX+1		EXTRAD	17.04	

	ĕ	00 3663 J=IND,LDB	EXTRAD	17.06	,
	-	IN= (J- 1) *LM+1	EXTRAD	17.07	
345	F 2	IF (TATE (LPCEL, IN-LM) . EQ.MA) IPG=IPG+1	FYTOAR	361	
1	TERE	TATOLI GELL TATALE	TEST	362	
		IF (1PG.EQ.0.0R.IE.LE.1) 33 13 3664	EXTRAD	1711	
	F	1-315-1	EXTRAD	1712	
350	6	00 3665 I=1,IET	EXTRAD	1713	
	F	IPTT=IPTC(I)	EXTRAD	1714	
	=	IF (IPT1.LE.0) GO TO 3665	EXTRAD	1715	
	B	UD 3666 KT=[,IPII	EXTRAD	1716	
1	2	NPCT=IPCNT(KT,1)	EXTRAD	17.17	
355	-	IF (MPC1-LE-0) GO TO 35 66	EXTRAD	1718	
	0	00 3667 LP=1,NPCI	15511	613	
	=;	IF (LPCEL, NE. 10 PK (1PC3.) Py KT. 11 1R. JK) GO TO 3567	16511	177	
	7	ואטגו = ואוא וארכבריון -ונולון וו	1531	200	
		IF (INDX -LI-LUBIGO TO 3566	FESTA	331	
360	3003	CALL IPRIIPOS ILEROIL PICTURE IN TRIBE	115311	177	
		50 TO 3867	EXTRAD	17.26	
-	2000	IT (= 10 / ver - 10 / ver ve	CALICAD	11.67	
	2667	CALL I'VE LEGG NECELOLISTS AND THE STATE OF	FYTDAD	1727	
-	1	and the control of th	THE PARTY OF	1	
202		CONTINUE	FXTRAD	17.29	
-	1	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	EXTRAD	1730	
	3664 16	IF (IMD x, GE, LDB) GO TO 365	EXI	36	
-	1	TACTUL PCEL 1 =- NPCEL	FXTRAD	17.37	
370	12	TATR (L POEL, 2+ INDX +LM) =NOCEL	TEST	364	
	-	IFTINDX:NE.UIGU TO 365	EXTRAU	17.34	
	1	IACT (LPCEL) =- NIOP - 1	Ex1	96	
		IATRIL PUEL, 21 = 0.	LEST	365	
	365 C	CONTINUE	EXTRAD	17.37	
375		60 TO 931	EXTRAD	17.56	
	,	The state of the s	CANANA	100	
		COMBINE AFUEL AND LPUEL! PEAN VALUES EQUAL	FXTDAD	1761	
	3		EXTRAD	77.71	
380		COMBINE WITH 8 RADIAL CELLS	EXTRAD	1743	
	2		EXTRAD	17 44	
	421 18	IF (MPK .LE. 0) GOTO 422	Ex1	16	
-	-	F (NPK-LT - 0)60 TO 3662	EXTRAD	1746	
	¥	NG H = O	EXTRAU	17 47	
385		LPGEL=HPK		1748	
	=	IF (TATR(LPCEL,IDX).Eq.N4.AND.NPK.Eq.O.AND.TC(KG,IE).GT.TB(KBM,J3H)		366	
	-	150 70 485	EXTRAD	1750	
	1	INDX=TATR(LPCEL,1)-TC(K3,IE)-1	IEST	36/	
	1	IMUX=INOX	EXIRAD	25.11	
398	1	IF (NPK. GT. 0) I HOX= TATR (NPK, 1) -TC(KC, IE) -1	TEST	368	
	-	IF (IMDX-LE-INDX)GO TO 4212	EXTRAD	1754	
	Ž	NS M= 1	EXIKAD	17.55	
	Z	NOCELENDA	EXTRAD	1756	
	-	INDEINDE	EXIKAD	11.21	
395	-:	XOM I = XON	EXIMAD	1750	
	-	ואון דייריין	EVTORD	1760	
	5	2134 01 0	CANTA	100	
	1. 20.2	1000 1000 1000	CACTVA	1761	

400 C C C C C C C C C C C C C C C C C C	COMBINE WITH 9 - RADIAL, C-LEVEL LOWER IFTINDX.GE.LD8)GO TO 4221 IMMINDX.H IFTINDX.H	EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD 1 ES11 1	1763 1764 1765 1766 1768	
531. 531. 531.	COMBINE WITH 9 - RADIAL, C-LEVEL LOWER OX.GE.LOB)GO TO 4221 DXYLM TERNPOCEL, 104-10X1, NE.0.)GO TO 5311 TERNPOCEL, 104-10X1, NE.0.)GO TO 5311 TERNPOCEL, 104-10X1, NE.0.)GO TO 5311 OXYLM OXYLM TERLPOCEL, 24-10X1, NE.0.)GO TO 5313 TERLPOCEL, 24-10X1 TERLPOCEL, 24-10X1 TERLPOCEL, 24-10X1 TERREPOCEL, 24-10X1 TERRE	EXTRAD EX	1764 1765 1766 1768 369	
5315 5312 5312 5311	DX.GE.LOB)50 TO 4221 DXLM FRINGEL, 1M+ 10X1.NE.0.)60 TO 5311 FRINGEL, 2+1M1.LE.JANU.NGM.EQ.015J TO 4221 FRINGEL, 2+1M1.LE.JANU.NGM.EQ.015J TO 4221 DXLM FRILGEL, 3+1M10X1.NE.0.)60 TO 5311 FRILGEL, 1M+10X1.NE.0.)60 TO 5313 FRILGEL, 2+1M10X1.NE.0.)60 TO 5313 FRILGEL, 2+1M10X1.NE.0.1 TO 7313 FRIRGEL, 2+1M10X1.NE.0.1 TO 4221 TATR(LPCEL, 2+1M) FRIRGEL, 2+1M1	EXTRAO EXTRAO EXTRAO EXTRAO EXTRAO 1 ES11 1 ES11 1 ES1 1 ES1	1765 1766 1768 369	
5314	DX*CH* TERNPCEL, IN* 10X1.NE.0.160 TO 5311 FERNPCEL, 21X1.LE.71.ANU.NGM.EQ.0153 TO \$221 N.NE.1150 TO 5312 DX*CH* N.NE.1150 TO 5312 DX*CH* N.NE.1150 TO 5311 FRIPCEL, 11**10X1.NE.0.160 TO 5311 FRIPCEL, 11**10X1.NE.0.160 TO 5313 FRIPCEL, 2**IM1.GT.31.760 TO 5313 FRIPCEL, 2**IM1.GT.31.760 TO 5313 FRIPCEL, 2**IM1.GT.31.760 TO \$221 TATR(LPCEL, 2**IM1) TATR(LPCEL, 1-TC(K2, IE) -1 TATR(LPCEL, 2**IM) FATR (LPCEL, 2**IM)	EXTRAU 1 EST EXTRAU EXTRAU 1 EST 1 EST 1 EST 1 EST 1 EXTRAU EXTRAU EXTRAU	369	
5314	TRINGEL, 104-10X1, NE.0.) GO TO 5311 FRINGEL, 24-101-10X1, NE.0.) GO TO 5312 OFFIR 1.06. 10 5312 OFFIR 1.16. 10 60 TO 5312 FRILDEL, 10-10X1, NE.0.) GO TO 5313 FRILDEL, 10-10X1, NE.0.) GO TO 5313 FRILDEL, 24-10-10X1, NE.0.) GO TO 5313 FRILDEL, 24-10-10X1, NE.0.) GO TO 5313 FRILDEL, 24-10-10X1, NE.0.) GO TO 5313 FRIRELDEL, 24-10-10X1, NE.0.) GO TO 5313 FRIRELDEL, 24-10-10X1, NE.0.) GO TO 6221	1651 EXTRAD EXTRAD EXTRAD 16511 1651 1651 1651 EXTRAD EXTRAD	369	
5313	FRENDEE, 2*IN). LE. 3. AND NGM. EQ. 0153 TO \$221 N.M. 1150 TO 5312 DXYAM N.M. 1150 TO 5312 DXYAM N.M. 1150 TO 5312 FILDEE, 1M+10X1. NE. 0.150 TO 5311 FRILDEE, 1M+10X1. NE. 0.150 TO 5313 FRILDEE, 2*IM1. 6T. 0.150 TO 5313 AZZI AZZI AZZI TATR(LPCEL, 2*IM) FRILDEE, 2*IM) FRILDEE, 2*IM) FRILDEE, 2*IM) FRILDEE, 2*IM) FRILDEE, 2*IM) FRIR (MPCEL, 2*IM) FRILDEE, 2*IM) FRIR (MPCEL, 2*IM) FRILDEE, 0.0R. MPCEL, 51. NMX150 TO \$221	EXTRAD EXTRAD EXTRAD TEST TEST TEST EXTRAD EXTRAD		
5313	DX*CH 	EXTRAD 1 ES11 1 ES12 1 ES12 1 ES12 EXTRAD 1 ES12	1771	
5313		TESTA TESTA TESTA EXTRAD EXTRAD	2772	
5312	TRILPGEL, 19410X.NE.0.) 60 10 931 TRILPGEL, 1410X.NE.0.) 60 TO 931 TRILPGEL, 241M.51.3.160 TO 5313 TRILPGEL, 241M.51.3.160 TO 5313 #TATRILPGEL, 241M #TATRIL	FST FEST EXTRAD EXTRAD TEST EXTRAD	223	
5312	TRILOCE, 2*IM:01.350 TO 5313 PAPCEL **A221	EXTRAD EXTRAD TEST EXTRAD	522	
5313	# NOTE CE	EXTRAD EXTRAD TEST EXTRAD	371	
5312	4221 #18 TK (LPCEL, 2+1H) FIL **EURPCEL, 07-LP **EL, 61 **HRX 16U TU #221 TATR (LPCEL, 1) -TC (K3, IE) -1 **SAT# (APCEL, 2+1H) GEL, CE**G**G**CR**CR**CG**CF**CF**CF**CF**CF**CF**CF**CF**CF	EXTRAD TEST EXTRAD	1775	
5312	######################################	FEST	1776	
5312	### ##################################	EXTRAD	373	
5312	7.4R(LPCEL,1)-TG(K2,1E)-1 7514 717R(HPCEL,2+IN) GEL.LE.0.GR.HPGEL,5T.NHXJGU TO 4221		1118	
5312	>314 = TATK(MPCEL,2+IN) GEL.LE.G.OR.MPGEL,5T.MMXJGU TU 4221	TEST	374	
5311	CEL.LE.O.OR.NPCEL.ST.NHXJGO TO 4221	TEST	375	
5311		EXI	66	
5311	INDX=TATR(NPGEL,1)-TO(KS,IE)-1	TEST	376	
	091 10 4213	TEST	377	
	HB.	TESTI	\$22	
•	0	TEST1	526	
	00 531 I=1ST, ISP	EXTRAD	1786	
	A SCORE OF THE THE STATE OF THE	CALLAND	1017	
•	TATRINFGEL, 24 IN) = TATRINGEL, 2+ IN) +0AZ*R	TEST	360	
•	TATRINFCEL, 34 IN = TATRINGSEL, 34 IN J + DAZ*RU	TEST	381	
•	TATRINFCEL,4+IN)=TATRINPCEL,4+IN)+DAZ*SAZ*R*RU	TEST	362	
	TATE (MFCEL, S+IN) = TATE (MFCEL, S+IN) + DAZ*CAZ*F*RU	TEST	303	
	100 00 00 00 00 00 00 00 00 00 00 00 00	242	101	
	+TATR (NFGEL, 6+IN) =TATR (N2) EL, 6+IN) +DAZ*P*SV(I)	TEST	365	
IFILE	IF (ITY, GE, 2)GO TO 521	TEST	386	
IF (V C)	IF (V(I) .Eg999) GO TO 531	EXTRAD	1794	
TATE OF THE CALL	TATE (NPGEL,94IN) = TATE (NPGEL,94IN) + DAZ*R*V(I)	FXTRAD	387	
440	ATR (NPCEL,84IN)=TATR(N*)EL,84IN) + UAZ*P*(V(I)-V(I-1))	TEST	388	
521 IF (VS	IF (WS (I) .EQ 999) GO TO 531	EXTRAD	1798	
	TATRINFCEL, 74 IN) = TATRINPCEL, 74 IN) +DAZ+R+VSII)	TEST	389	
531 CONTINUE	N UE	EXTRAD	1600	
445 TF (NS.	TATE (NPCEL, IN+IDX) = SIGN(FLOAT (NA), TATE (NPCEL, IN+IDX)) TE (NA, FD, 1) TATE (NPCFL, TATE (NPCFL, IN+IDX), -1, 0)	1651	350	
		PATER	18.00	
GO TO 4221	4221	EXTRAD	1605	
00	Courte target a target of the courter of the courte	EXTRAD	1806	
2 054		EXTRAD	1808	
0	IF FIRST COMBINE, AREA=0, IF SECOND OR HIGHER, AREA=-1	EXTRAD	1809	
o e	TEST AREA TO ESTABLISH NEW NUMBERS	FXTRAD	1810	
ANT TAUX - TAUY	AJNIE	FYTOAN	1817	
	UMP-1	EXTRAD	1813	



	106.2	EVTDAN	1816
	IPG=0	EXTRAD	1616
	TATRIL PCEL . 1) = TC (KC, TE) +1	TEST	393
	TATR (L PCEL, NUMP) = ABS(ATR(IAT, IIO1, 1))	1 6511	227
	IF (INDX-GE-LOB)GO TO 482	EXTRAD	1819
	DO 4832 I=INDX LDBM	EXTRAD	1821
	IF (TATE(LPCEL, IOX+I+LM).E3.NA) IPG=IPG+1	TEST	395
4832	CONTINUE DO 663 1=1-TMD	EX1 EXTRAD	1524
	UU 483 J=1,€F	EXTRAD	6291
	IN=1+J+(LOB-I) +LM	EXTRAD	1826
199	IM=[+J+(IND-I)+[H	EXTRAD	1231
204	TAIR TOUCH SAN - IN INTERCED AND	EXTORD	1879
	INDPEINDX	EXTRAD	1630
284	00 4835 I=19LDB	EXTRAU	16 31
	IF (TATR(LPCEL, IOX+(I-1)*LM).EQ.NA) IPG=IP3+1	TEST	397
4835	CONTINUE DO 484 I=INS.IND	EXTRAD	1634
484	TATRIC FCEL, I) = 0.	TEST	398
	00 4841 I=1.INDP	EXTRAD	1836
1929	TATRICPOEL, I-CH+17*NA	1651	665
	IF (I FG.E.Q. 8.0K.IE.LE.1)50 TO 488	EXTRAD	1636
	IF 1 = 1E = 1 IPTT = IPTC(1)	EXTRAD	1640
	IF (IPIT.LE. 0) 60 TO 4831	EXTRAG	1841
	00 4833 KT=1, IPTT	EXTRAD	1842
	NFCI=IPCN(KI)1)	EXTRAD	1843
	DO 4834 LP=1-NPC1	TEST	228
	IF (LPCEL.NE.IUFK(IPC3,LP, <t,1,ir,jr)) 4834<="" go="" td="" to=""><td>16511</td><td>622</td></t,1,ir,jr))>	16511	622
	INDXT=TATR (LPCEL,1)-TC((1,1)-1 TF(INDXT,LT,LDR)G) TO 4434	FYTRAG	1848
	CALL IPKTIPUS, IZERU,LP, VI.1, IK, JR)	TEST	230
4834	CONTINUE	EXTRAD	1650
4633	CONTINCE	EXTRAD	1881
1001	196.00	FYTERD	1853
*88		EXTRAD	1854
	TFILPCEL.LE.D. DR.LPCEL.ST. WHX) GO TO 931	EXI	101
	TATE (LPCEL, 10x) =NA	TEST	101
	MPCEL= LPCEL LPCEL STREET IN JR	EXTRAD	1857
	NCH=0	EX1	102
	GO TO 512	EXTRAD	1858
594	DO 486 I=1,NIDF	EXI	103
989	Г	EXTRAD	1961
	WRITE(6,644)	EXTRAD	1862
207	50 TO 931	EXTRAD	1863
100		EXIKAD	1000
	MIXENE XECHEX. 1+1.	EXTRAD	1866
	IF (MMX .GT . WIOP) WAX = WIOP	14.5	1
		***	***

\$18	422 LPCEL=1A8S (19K1)	EXTRAD	1781
	122: TMDX=TATE(10051.4)=CC(C).161-1	113.	100
	1	EXI	981
	DO 641 JETJETO JEZ	TEST	282
	IF (18(1,JE,1),GT.[HD) 63 TO 632	16511	233
	ing: ing: ing:	CATAL	187
	18 (180-18-1)60 10 to1	OWNERS.	
525	K8=1P9~L9+1	EXTRAD	1000
	HPB=IPBHTIRB,JI)	CERTRAD	1881
	IF (MPB.LE. 8)50 TO 471	EXTRAD	1862
	10 461 JPE=1,MFB 15/11/20/12/20 105/49/15/12/48/40 50 10 46/	EXIMAD TEST1	234
25.0	259 CL C5 (Dul' 15 (DC 5) 1 3 (58) 3 dC 18 d 13 d 11 d 1	IIBII	562
	NPCEL= IUPK(IP83, JPE, K8, JE, IR, JR)	EXTRAD	100
	IF THPCEL . LE. U. DR. MPCEL . J MMX) GO TO 461	EXI	191
	IF (LPCEL.EQ.MPCEL) 60 TO 461	EXTRAD	1036
515	IF (TBIRB, JE) .NE. TGIRC, IEJJUU 10 461	EXTRAD	1092
	C CONSTRE AT 1987IC LEVEL	CKALKS	1893
		EXTRAD	1884
	SUZ INDIETRIRICECTO 11-10142, IEI-1	181	689
	IF (IND x.6E.L08) GO TO 461	EXTRAG	26.07
246	IF (IMDX-LT-DB) GO TO 8511	ExI	109
-	451 MOST STATEMENT NO.	EXTEXU	1699
		EXTRAD	1980
373	258 TATRIBLE 1901 100 11 100 100 10 10 10 10 10 10 10 1	LEST STATE	1912
	CO 10 10 10	EXTEXU	1963
	8511 CALL IPK(IP83, IZERO, JPE, KB, JE, IR, JF)	EXTRAD	1984
	1	Test	50 61
	5512 IAIKIMPELLOJIEJO	101	
	CO TO 461	EXTRAD	1968
	REC IN CONTROL M	CANTA	1989
		EXTRAD	1910
	IF CTATESCEPOEL, LOF LMS - ME - S MNO. TATESCHEL, NOFLMS - ME - L.) GO TO 5911	1.160 10 6911 1851	283
555	IF (TAIRCIPEEL, LOFLY) - EGGS - AMOSTAIRCIPEEL, LOFTY - LE-0.7 VO 10 851	1	
	PETRIFIC PETRIC PETRIC DATA	1631	111
	IF (LPCEL.LE. 6.08. LPCEL. 37. WAY) 50 TO 931	EXI	H
	50 T0 4221		1915
195	3912 IF (INTERMPCEL, MDFLMT, EG. U., AND. INTRIMPCEL, NOFITALE, U. 150 TO 8913	150 TO 8915 TEST	215
	APPERENT TO THE PROPERTY OF TH	-	1
	CALL TPK (1983 - MPCEL - JPE - JE - JR - JR)		1916
	20 10 502	EXTRAC	1919
595	8913 30 8914 I=1,1H	EXTRAD	1958
	TOTAL TATRICPOEL, LD411=1.	181	414
	CALL IMITES, ICENO, JPC, 48, JC, 14, JK)	DE LA CONTRACTOR DE LA	1355
	1334 01 00	Autoria	
	201 TO 201 Tax	EXTRAD	1924

		6 = CT + ON - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1		TEST	416
		THE REPORT OF THE CO.		EVIDAN	1027
	150	CONTINCE		155.1	1351
		TATO (NEGET NOTE) = DEF		1831	418
-		TICK (KPCFL) =-(PCFL		EXTRAD	1930
		CALL IPK(IPB3, LPCEL, JPE, K3, JE, IR, JK)		EXTRAD	1931
	199	CONTINUE		EXTRAG	1932
	174	CONTINUE		EXTRAD	1933
-	199	CONTINUE		EXTRAG	1534
580	632	IF INPK-LE. 0160 TO 3662		EXTRAD	1935
		משמנו בו שמנו		EXIME	1936
		50 TO 366		EXTRAD	1937
		C 2 1 4 1 5 0 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		EX 1940	1936
20.2	,	ONESSOUT A CO	-	FXTPAN	2751
	631	IF INA .EQ. 1 .AND. ISCANF .EQ. 0) 60 TO 539		EXTRAD	1941
-		6 .Eg. 17 60 TO 633		EXTRAD	2561
		00 641 I=1H8,IHD		EXTRAD	1943
-		IF (HB(I).EQ593) 50 TO 541		EXTRAD	1961
06		IF (HB(1) .GT. TC(KC, IE)) 50TO 931		EXTRAD	1945
-	179	CONTINUE		EXTRAD	1546
	629	50 642 J=1,NIDP		EX1	113
		IF (TACT(3) - EQ. 0160 10 643		EXTRAD	1948
	249	CONTINUE		EXTRAG	1949
242		#KITE(6,644)		EXIKAD	19.50
	946	FORMAT (5x, * TOO MANY CE. S.)	Charles on the Control of the Contro	EXIKAD	1951
		60 10 631		EXIMAD	2661
	630	MCELT=MCELT+1		CALKAD	1955
		CALL IPRCIPOS, NUCLI, IPE, CO. IE, IN, JA		CATERAD	1994
000		50 10 531		CATOLA	1355
	540	TICT (1)-1		FXTRAD	1967
-	-	CM 7= DE 91 (KM 9- 1441)	-	FXTRED	1958
		IF (NMX .GT. NIDP) NMX=NIDP		EXI	116
13	-	CALL IPKIIPCS, NPCEL, IPE, CO. 1E, 1R, JRJ		EXTRAD	.Tet
		IN1=LM+1		EXTRAD	1961
-		IN= (LD 8- 1) *L M+ IN!		EXTRAD	1961
		00 671 I=IN1,IN		EXTRAD	1963
		TATR (NFCEL, I) = 0.0		181	416
610	119	CONTINUE		EXTRAD	1965
	165	TATE WASEL, ID = TO ORC, IED 41		TEST	025
		TATRINFCEL, MUMP) = A3S (ATR (IAT, IID1, 11)		TESTI	236
		13T=1HE		15511	55.0
	-	1972 July 1978 768	-	CYTOR	1201
515		22 SCONC (FLORI (1-1)51		EXTRAD	1972
		SUSPERSIENT COLUMN		1531	229
		TATORNOCEL STREETS CAPETION OF THE PROPERTY OF		1651	473
		TETP (N POFFL 3) = 047 48 U+ TETR (NPCFL 3)		TEST	424
623		TATE (NPCEL .4) = DAZ - SAZ * P. 2 J+ TATE (NPCEL . 4)		16.51	455
		TATE INDICEL, SI=TATRINDCE, SI+DAZ*CAZ*R. PJ	and the second s	TEST	241
		IF CITY. EQ. 0160 TO 621		Ex2	168
		IFTSV(T) .NE999)		1631	125
		+TATR (NPCEL .6) = TATR (NPCE 51+042*2*54(I)		TEST	426
623		IF (ITV .GE. 2)60 TO 591		183	624

-					
	-	IF (VIT-1) .EG9991 30 TO 601	EXTEND	1961	
		TRIN (N.POEL . 8) = TATR (N.POE 8) + DAZ+P+(#(1) - #(1) - #(1) -	16.51	4.33	
153	-	F (WS (T1) FD :- 999) 50 T1 62!	DYSLES	1567	
		Tate (n polar 1 - 1 a tate (n polar 1 a tate (n polar 1 a tate (n polar 1 a tate)	TEST	4.32	
129	1	SOM THOSE	CELLES	1381	
686		TATE (NECEL, IDX) =NA	1831	4.33	
	-	TF (NE. PG. 1) TETE (NPCF) . 131) =- TETE (NPCF) . 137)	1831	424	
635		IF (157-1E: JM. 06.15P. 6F. 14x) TATRONPOEL-10x3349.	16512	156	
12.5		SONT IN US	EKTREU	1988	
176		22	EXTRAD	1909	
197	1	A.M. Date	DESTA	1881	
			EXTRAD	1961	
273		CITIES IN THE RULE LEADING - ZERGE IS POINTED	FETFE	2861	
			EXTRAD	1661	
2	-		EXTRED	9551	
	0	00 9512 I=1,NF7	CASTAS	1995	
	-	PETROTETY ED. WOOD TO 9512	DESTRO	1636	
645	-	IF (IACT (I), GE. 0)60 TO 9511	EXTRAD	1661	
		DO 9813 IEST.IES	EXIME	1996	
			EXISED	13.53	
		is (16, 16, 16, 16, 16, 16, 16, 16, 16, 16,	EXIZED	1111	
	1	Jo seie Kuminin	EX I KAD	1117	
159	-	ect position is	DESTEED.	2112	
	-	F (A.C. LE. 1050 TO 9618	EXTRAD	5117	
		DO 9619 IPERIOR TO TO TO TO THE PARTY OF THE	CATOR	5000	
-	1	TERRETARY OF THE PROPERTY OF T		1112	
655	• ••	INDX=14FR(I,1)-TC(KC, IE)-1	1651	136	
	1	F 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1651	123	
		IF (TATE (1,2+IND FLM) .NEIACT (1)150 TO 9614	1657	4.38	
	-	CHIL IMPRINGS. TRETTITIES RESERVED	DESTRE	1112	
	C	50 10 9619	EXTRAD	2111	
199		CALL INVINCE, IZENO, IPE, CO, IE, IR, DAJ	EXTEND	2112	
9619		CONTINUE	EXTRAD	2013	
2196		DON'T INDE	DEXTER	47.47	
196		2011		2793	
665	• • •	1467 (1)=0	EXTERD	2017	
	-		1651	623	
		50 T0 9512	EXTRAO	6119	
166		2011 Jet 1166 D	EXIME	1212	
	-	IF (TATE (1,2+(3-1)+LM).E1TACT (1).AND. TATR(1,10K+(3-1)+LM).E9.0.)	TEST	944	
9/9		50 TO 9514	GENTAL	2212	
156	9513	CONTINUE	EXIEND	1282	
36	2544	50 TO 3611	181	***	
1196	1	801'Z=1 2'H6 00	EXIME	9212	
675		IF (TAT R(1, 10x+ (4-1)+LM), ME.B., AMD. TATR (1, 2+(4-1)+LM), EQ. 6.)	1651	244	
		TATRIT, IDE (RE 11 F. MIST.	TEST	599	
2196	•	CONTINUE	EXTRAD	5212	
	-	IF (IFC AG. EG. 1) WETTETS, 9981 I, IACT (I), (TATE (I, J), J=1, NUMP)	TEST	1	
	-	1401 (1)=1	2 1 1 2 2 2	1	
141		CONTINUE CO. 1 AND TECHNE ED. BIED TO 1010	CATTOAN	26 27	
	1	Dan La US - La	THE LANGE	75.25	
		17 18 .Ca. 1 .emb. 130447 .Ca. 11 00 10 359	CATER	20.35	

10 10 10 10 10 10 10 10					
Principal Control Co	-	SAAR LIGHT VA AS I JON WALL	FITTER	1085	
17. 17.			EXTRAD	20 30	
			EXTRAS	68 92	
		IPT=IPTC(IE)	EXTRAD	2848	
		10 9991 LC+1,1PT	OXMIX3	1582	
	3.6	ולבוצו -רכיו	CHALL S	2882	
		00 9591 IPE=1, NPC	EXTRAD	2044	
		WPCEL= TUPK (IPC 1, IPE, KC, IE, IR, JR)	EXTRAO	5502	
		IF UNPCEL . LE. EI GO TO 3531	EXTRAD	9482	
	36	LPCEL* TOPK (IP 85, IPE, KG, IE, IK, JK)	CATTOAD	14.00	
FILMON LILTON CONTROL FILMON LILTON CONTROL FILMON	-	IF LEVEL - LE. 40 to 10 3591	Carrier 2	5465	
		IF (IND x .LT. 0) GO TO 958	EXTRAD	2050	
	-		EXTRAG	1502	
		1	CANTRAG	2502	
		TE (TM) Y . GF. 1081 GO TO 355	EXTRAD	505	
	-	THE PROPERTY AND ADDRESS OF THE PARTY AND ADDR	DIELLA	7866	
INSTITUTE INSTITUTE INTERCECTATION		00 9592 I=1.1ND	EXTRAD	5056	
	15	INSTAC WOLLD-TINGH	EXTRAG	1582	
EXTRAU E		IF (TATE (NPCEL, IM) . 6E. 8.150 TO 9592	1631	944	
TATEL PECL, 130 = 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		INSTALMATEDS-17-CH	EXTRAD	65.02	
100 9993 18-1,100 19-10 19-10 19-10 19-10 10-10 19-10 10-10		TATRILPCEL, IN : MAX-1	TEST	1447	
Mari-14ting-11-trade		00 4993 Jel., LW	EXTRAG	1302	
9593 IMTELL POCEL, INN=IARR(INDCEL, IN) + TAIR(I, POCEL, IN) 9593 IMTELL POCEL, INN=IARR(INDCEL, IN) + TAIR(I, POCEL, IN) 9594 INARRINGEE, INSTANCE, INSTANC	10	IN=1+J+(LOB-I)+LM	EXTEND	23 02	
999			TEST	2023	
9531 00 9594 1=1.WUMP 1407 (MPCEL 1) = 1. WUMP 1507 10 9591 1507 10 9		-	1631		
955 IANGREDEL, 15.0. 957 IANGREDEL, 10.0. 50 TO 9591 10 10 9591 10 10 9591 10 10 9591 10 9591 IANGREDEL, 10.0. 50 PEAK NPCEL,		3	CASTAG	2866	
STERATOR STERATOR	34	F	1531	699	
955 10 10 9591 958 1NJK-LIDK)-NAK-1 50 10 9591 10 10 9591 50 10 9591 50 10 9591 50 9691 1=1,1NO 50 96			EXTRAO	2068	
955 TATRILEGEL-LOX)=MAX-1 957 TATRILEGEL-LOX)=MAX-1 958 TATRIOX - GE. LD97 GD 70 3591 C PERK NPCEL - GT. LPCGL C PERK		500 01 01	EXTRAG	53.02	
955 1WJZ-1WJZ C FER WPCEL .GT . LPGEL C FIRAD			TEST	. 854	
959 INJECTION (CONTRINCT CONTRINCT CONTRICT CONT		1989 10 9891	EXIEND	1/02	
FFTRDY . CE. LUBY GO TO 3531 C	20		EXTRAD	20 72	
TATE NUMBER			EXTRAD	5/12	
C			CALIKAD	24.46	
INDELDG-INDX		C PEAR WPORL . ST. LPCSL	FXTPAG	2076	
	*	TVD=1 UE-TVDT	CXALX	1192	
IN=1+ HF (LD4-1)*LH IT (IATE HOECL. IN) -05-0.) SO TO 9691 IEST IT OF GAPEL. IN) -05-0.) SO TO 9691 IEST IT OF GAPEL. IN) -05-0.) SO TO 9691 IEST IT OF GAPEL. IN -05-0.) SO TO 9691 IEST 9692 INT OF GAPEL. IN -05-0. STANDEL IEST 9691 CONTINUE IEST (LOSEL. IN) + IATR (NDCEL. IN) IEST 1557 IEST IEST IEST IEST IEST 1558 IEST IEST IEST IEST IEST 1559 IEST IEST IEST IEST IEST 1550 IEST IEST IEST IEST IEST IEST 1550 IEST IEST IEST IEST IEST IEST IEST 1550 IEST		00 9591 I=1,ING	EXTRAD	2076	
		IN=1+LH+(LD9-I)+LH	EXTEXD	5402	
TATE NAPEL, IN = NAX *-1 FEST		IF (TATE (NPCEL, IN) . GE. D.) 50 TO 9691	TEST	451	
10 9692 1 1 1,1 1,1 1		TATP (NFCEL, IN) = NAY-1	TEST	255	
Mais-1-4flug-1) *LM EXTRACT EXTRACT 9692 TATP GNOCEL, TH) *TATP GNOCEL, TN) EXTRACT 9691 CONTINUE	30	00 9692 J=1.LM#	EXTRAD	2002	
9692 TIPS GREEL THE TATRICREEL, THIS TATRICREEL TEST TO 9593 CONTINUE EXTRAD		MIA (I-BOILACAIENI	EXTRAD	2003	
9991 CONTRUCE 9891 CONTRUCE 9891 CONTRUCE 9891 CONTRUCE 9891 CONTRUCE 9891 CONTRUCE 68880 68880 68880 68880 68880 68880 68880 68880 68880 68880 68880			EXIKAD	5007	
5531 CONTRUCE 5531 C			577940	20.46	
TATRINGEL NUMBETATRIL POEL, NUMBE TEST TEST NFOELSIPEEL NUMBETATRIL POEL, NUMBETATRIL POEL, NUMBETATRIL POEL NFOELSIPEEL NUMBETATRIL POEL NFOELSIPEEL NFOE	36	1	EXTRAG	2007	
EXTRAD 60 TO 9593 60 TO 9593 EXTRAD CANTINUE CANTINUE EXTRAD		TATA (N POEL NUMP) HISTRICIANICA NUMP)	TEST	+5+	
50 TO 9593 EXTRAO EXTRAO CONTINUE EXTRAO CONTINUE EXTRAO CONTINUE		NPCEL*IPCEL	EXTRID	6802	
9591 CONTINUE EXTRAD			EXTRAD	2050	
EXTRAD			EXTRAD	1502	
	64.		EXTRAD	2602	

92					1000	
		200	12.	EXTRAD	5002	
	-	37.5	100 TO 10	EXTRAD	9502	
THE CONTRICT CONTRI			IF (TATR(I,LOX) .EQ999.150 TO 9982	1631	455	
THE CONTRICTOR TO 10 10 10 10 10 10 10 1		196	IF CTATRELL COXT LEG. 6.150 TO 9912	TEST	459	
C			TREE. LOX 11. EQ. 44x-1150 TO	TEST	1691	
### CHECK BACKROND COMING DOWN 19883 19883 19883 19884 1988			20 10 191	EXTRAD	2101	
		, ,	CHECK BACKROUND COMING DOWN	EXTRAD	2012	
971 1971 1971 1971 1971 1971 1971 1971		0		EXTRAD	2103	
9716 1917 1917 1917 1917 1917 1917 1917	-	116	INBRED	EXTRAD	3012	
9712 DESTRUCTIONAL OF THE CATOR TO 9982 100.9712 JESTRUCH TO THE CATOR TO 9982 101.01.01.01.01.01.01.01.01.01.01.01.01.			00 9716 J=1,LD8M	EXTRAD	2105	
9715 DOUTTUE CHERCALLIE 9712 DESERVE CHILD			TE (TATE (1,1+(J-1)*[4).L0.150 TO 9982	TEST	954	
DEFECT D		9716	CONTINUE	EXIKAD	2010	
			DO 9711 J=1,JEH	FYTOAD	5010	
9712 PSETFREIT DU 9713 PSETFREIT DU 9714 PSETFREIT DU 9714 PSETFREIT DU 9715 D	-		TOTAL CONTROL OF EXCEPTION CONTROL OF THE CONTROL O	TEST	242	
Deficition Def		971.2	TP4=TPT4(1)	EXTRAD	2111	
Factor F	-	2777	adi Jak Kara H	EXTRED	2112	
FYTA NET			NP=16917 (x.1)	EXTRAD	2113	
F(I . NF . I)PK(IP033,N,K,J.IR,JR) 60 TO 3713 EXTRAD STITE THE TELTT-TEKT.JFF0T TO 3714 EXTRAD STITE TOWN IN THE TELTT-TEKT.JFF0T TO 3714 EXTRAD STITE TOWN IN THE TELTT TO 3715 EXTRAD STITE TOWN IN THE TELTT TO	-		ON THE LANGE OF THE PERSON OF	EXTRAD	4112	
STIST STRING STREET ST			IF (I . NF. IUPK (IPB3, N, K, J, IR, JR)) 60 TO 3713	EXTRAD	2115	
9713 CONTINUE 9714 INSEL NAME 1ST=1UPKTIPSTAN 1ST=1UPKTIPSTAN 1ST=1UPKTIPSTAN 9715 INTINUE 9715 CONTINUE 9715 CONTINUE 1F (MILL 1-10-99)60 TO 9715 1F (MILL 1-10-10-10-10-10-10-10-10-10-10-10-10-10			IF ((TATE (1.1) - TB(K, J)) - 52. (JB) 50 TO 9714	1631	124	
STEEL STEE		9713	CONTINUE	EXTRAD	2117	
9715 INSELLED TOWN (TOBE) N. N. J. 18, 18, 18 19715 INSELLED TO 9715 15 FILD TOWN (TOBE) N. N. J. 18, 18, 18 16 OUT 19. 1 E 15915 OF 10 9715 16 FILD TOWN (TOBE) N. N. J. 18, 18, 18 17 FILD TOWN (TOBE) N. N. S. J. 18, 18, 18 18 FILD TOWN (TOBE) N. S. T. BE (K. J.) 50 TO 9932 18 FILD TOWN (TOBE) 19 FILD TOWN (TOBE) 19 FILD TOWN (TOBE) 19 FILD TOWN (TOBE) 19 FILD TOWN (TOBE) 10 FILD TOWN (TOBE)			20 70 9711	EXTRAD	2118	
ISP=IDPK(IPBS, N.K.), I.R.) 18 18 18 18 18 18 18 1		4114	IN 9K=I N8K+1	EXTRAD	6119	
15 15 15 15 15 15 15 15			IST=IUPK(IPB1, N,K,J,IR, JR)	EXICAD	6150	
F (11/10 F (12) F (13)			ISP=IUPK(IPBZ,N,K,J,IK,JK)*!	CALKAD	1777	
15 15 15 15 15 15 15 15			10 9715 L=151, 15F	EXI	117	
9715 CONTINUE 971 CONTINUE 1	-		1F TYBEN ULT 1 . GT . TB (K. J.) T GO TO 9982	EXTRAD	2123	
### ### ##############################		9715	CONTINUE	EXTRAD	2124	
IF (INPE-EGO 10 0 0 9982 EXTRADO 10 991 IF (INPE-EGO 10 0 0 9982 EXTRADO 10 991 IF (INPE-EGO 10 0 0 991 IEST	-	1116	CONTINUE.	EXTRAD	5212	
If I I I I I I I I I I I I I I I I I I				EXTRAD	6126	
UP (NCE LL J) = TATR(1, 102*)				1531	161	
UP (NOTE LL_J) = TATR(I, 102+J)			IN THE PROPERTY OF THE PROPERT	EXTERN	21.29	
981 CONTROC UP (MCELL-IM) = TATR(I, NUMP) IF (TREE G. IMPRIFE G. 9710 MCELL, IUP INCELL, I), J=1,L4) FOR HAT (IX, 2 HCC, IA, 4 x, 9 f.13, 2) FOR HAT (IX, 2 HCC, IA, 4 x, 9 f.13, 2) FOR CHANCELL (IX) FOR CHANCELL (IX, 2 HX x, I4, I6, F7, 2, 8 f.13, 2, 7, (20x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX x, I4, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX x, I4, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX x, I4, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX x, I4, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX x, I4, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX x, I4, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCEL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, F7, 2, 8 f.13, 2, 7, (70x, 8 f.13, 2)) FOR CHANCELL (IX, 2 HX X, I4, I6, I6, I6, I7, 14, I6, I6, I6, I7, 14, I6, I6, I6, I7, 14, I6, I6, I6, I6, I6, I6, I6, I6, I6, I6			UD 901 J=1+LNH	115311	243	
TESTI TEST	-	286	AINTING	EXTRAD	1112	
FETTH FETTH FETTH FETTH FETTH FETTH FETTH		100	UP (NCELL-LM)=TATR(I, NUMP)	11811	544	
9910 FORMAT (1X, 2MCS, 14, 4X, 9F13, 2) FORLE MCELL **E. **ID 100 T09382 FOR THE METERS OF 19482 FOR THE METERS OF 100 T09382 FOR THE METERS OF TO 100 T09382 FOR THE METERS OF TO 100 T09382 FOR THE METERS OF TO 100 T09383 FOR THE METERS OF TO 100 T0938 FOR THE METERS OF TO 100 T09383 FOR THE METERS OF TO 100 T0938 FOR THE METERS OF TO 100 T09383 FOR THE METERS O			IF (IFL AC. EU. I) WRITE (5, 9310) NCELL, TUP INCELL, J) , J=1,L4)	TEST	542	
WCELLE NOTELLE. MIDIGO 109382 EXTRAD WCELLE. MIDIGO 109382 EXTRAD WCELLE. MIDIGO 109382 EXTRAD WCELLE. MIDIGO 109382 EXTRAD GO 10 9962 EXTRAD EXTRAD EXTRAD MIDIGO 11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		9910	FORMAT (1x, 2HCC, 14, 4x, 9F13.2)	Ex2	175	
If (WCELLIE, N 10) GO 109382 EXTRAD WCELLIE, N 10) GO 109382 EXTRAD WCELL MCELLIE, N 10) GO 10 9913 1=1, LUE EXTRAD 994			NCELL=NCELL+1	EXTRAD	6135	
MELL=NID			IF (NCELL.LE. MID) GO 109382	EXIKAD	6136	
9912 DU 9913 JII, LDE INOP1=1+-UH IF (135 (TATRII, 14021), -1.4 LH IF (135 (TATRII, 14021), -1.5 LH) CO 7991 IF (136 (TATRII, 14021), -1.5 LH) CO 7991 16 (137 LH) CONTINUE 999 CONTINUE 999 FORMI (13, 24, 16, 16, 17, 2, 18, 13, 2, 7, (203, 13, 2)) EXTRAD 999 FORMI (13, 24, 16, 16, 17, 2, 18, 13, 2, 7, (203, 13, 2)) EXTRAD 698 FORMI (13, 24, 16, 16, 17, 2, 18, 13, 2, 7, (203, 13, 2)) EXTRAD 698 FORMI (13, 24, 14, 16, 16, 17, 2, 18, 13, 2, 7, (203, 13, 2)) EXTRAD 699 FORMI (13, 14, 16, 16, 17, 2, 18, 13, 2, 7, (203, 13, 2)) EXTRAD 699 FORMI (13, 14, 16, 16, 17, 2, 18, 13, 2, 7, (203, 13, 2)) EXTRAD 699 FORMI (13, 14, 16, 16, 17, 2, 18, 13, 2, 7, (203, 13, 2)) EXTRAD 699 FORMI (13, 14, 16, 16, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18			ACELL=NID	EXTRAD	2136	
INOPIE: i+J*L# EXTRAD INOPIE: i+J*L# EXTRAD IFGST	-	2166	00 9913 J=1,LDE	EXTRAD	65 12	
F (ASS (TATE (I, IND FI) = E. (AN 50 TO 991 FEST F (ASS (TATE (I, IND FI) = E. (AN 50 TO 991 FEST 991			INOP1=1+J+LM	EXTRAD	2140	
151 152 152 153		-	IF (ABS (TATRIT, INDPIT) .ET.NAIGO TO 991	TEST	465	
9913 CONTINUE 9942 CONTINUE 9942 CONTINUE 9942 CONTINUE 9942 FORMI (1,2HX, 14, 16, F7.2, 8 13.2, 7, (20X, 8 13.2)) 994 FORMI (1,2HX, 14, 16, F7.2, 8 13.2, 7, (20X, 8 13.2)) 995 FORMI (1,2HX, 14, 15, 17, 12, 12, 13.2, 7, (20X, 8 13.2)) 996 FORMI (1,2HX, 14, 12, 12, 12, 12, 13.2, 7, (20X, 8 13.2)) 997 FORMI (1,2HX, 14, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12			IF (TATR(I, INDP1). LT.0 1ND. TATR(I, INDP1). NE999.160 TO 991	TEST	466	
999 FORMITALE LEGATURITE LEGATO 1, LINCITIA 1, LINCITI		1613	CONTINUE	EXTRAD	2143	
999 FORMAT (1x,2Mxx,14,16,F7.2,8*13.2,7,(20x,6F13.2)) EXTRAD 999 FORMAT (3x,14,16,F7.2,8F13.2,7,(20x,6F13.2)) EXTRAD 00 932 13.NUMP EXTRAD		7666	CONTINUE	200	757	
998 FORMAT (3X,14,16,F7,2,8F13,2,7,(20X,6F13,2)) EXTRAD 00 932 11,NUMP EXTRAD		666	FORMAL CAR, DERX 14 14 14 14 17 19 18 18 2 7 (00 x 6F13 2)	EXTRAD	2146	
TO 982 JETSAD	-	958	FORHAT (\$X.14.16.F7.2.6F13.2./. (20X.6F13.2))	EXTERE	2117	

1010 100 104 1 1 1 1 1 1 1 1 1	2,180	SUBPOUTINE PEACO	74/74	001=2	FIN 4.6+626	82/84/10	15/84//6 C1.36.83	
1831 CONTINUE EXTRACT 1831 CONTINUE EXTRACT CONTINUE CONT								
1579 CONTINUE 1570 CONTINUE 1570	-	-	TECTORES	and an extension of the contract of the contra		OteLX3	22.51	
1538 CONTINUE 1538 CONTINUE 1539 CON	***	100	CONTINUE			CYLLETO	1111	
1811 DO 1841 1=1,1EMAX		8251	CONTINIE	make on the part of the same part of the p		1631	599	
PFFFIT PFFFIT PFFFIT PFFFT PFFFT PFF		1881	50 1841 TataTE	***		EXTEAD	2160	
TOTAL TOTA	-	-	The state of the s			EXTERO	1312	
			10 1841 KELL			EXTRAD	2162	
IEEE	38.5	-	TRICE			EXTRAG	2163	
1841 CONTROCE CO			Paulie. Tielp.	4766.13		CKTPA0	2164	
	-	1787	- CALLET VELLE			EXTRAG	5315	
IMPG: IMPG		****	DO 1842 LEST.IL	1441		EXTRAD	5166	
1942 193(17) = 1902(17)	-	-	THE PARTY OF THE P	111		CELLERA	1312	
1842 1953(17) = 1953(17) 1948 E1724(17) 1948 E1724(17) 1948 E1724(17) 1948 E1724(17) E1724(17)4(17) E1724(17) E1			1992 (1 X) = 19C2 (101		CANTRA.	21.68	
9728 IF (15CANF.NE.1.08.NA.EQ.1);0 TO 1840 ETTRAD NCELT=: NCELT=: CO TO 1844 ETTRAD INH=-990		1867	TPRICITIE I FCT	The first control of the state	Andrew Control of the	EXTERE	6312	
N.		9778		. OK. NS. EQ. 11 50 TO 1848		CANTRAD	2161	
	-		Г			EXTEAG	2112	
10% 00 1 :=2,MCH 10% 00 1 :=2,MCH IF (U(1-1).ME999) MH=1435(U(1-1)) IF (U(1-1).ME999) MH=446(MH,1A95(U(1))) EXTRAD 1 PR(117M) EXTRAD EXTRAD EXTRAD EXTRAD EXTRAD			WEET TES			EXTRAD	2183	
1646 00 1 1=2, WCLM MH=-795 IM =-795 IF (UNI-1) - ME, -999) MH=-1435(UNI-1)) IF (UNI-1) - ME, -999) MH=-1440(MH, 1485(UNI-1)) EXTRAD EXTRAD EXTRAD EXTRAD ENTRAD ENTRAD ENTRAD	1	-	50 10 1866			CELLERO	1912	
ETTRAG IF (U(1-1).NE999) MASTRORM.IASSU((1-1)) IF (U(1-1).NE999) MASTRORM.IASSU((1-1)) IF (U(1-1).NE999) MASTRORM.IASSU((1-1)) EXTRAG EXTRAG ENTRAG ENTRAG ENTRAG		1846				EXTRAG	5105	
	-		1	the control of the co		DYSLX3	3012	
			IF (U(I-1)-NE.	-9391 MH=[A35(U(I-1))		EXTRAD	2187	
IF (U(I+1).ME999) WH=4&(C(MH,IABS(U(I+1))) EXFRAGO EXTRAGO EXTRAGO EXTRAGO EXTRAGO EXTRAGO EXTRAGO	-	-	TF (1)(1) .NE 9	991 HAS 4 KC (NH. 1135 (U(1)1)		CXALKE	1112	
014773 64711184 1 0471184	128		IF CUCIOLIA .ME.	-9991 WHE 44 COUNH, 1485 (UI 1+111)		EXTRAG	5165	
USAN EXTRA D		-	HALL TERM			EXIMA	1612	
073123			RE TURN			EXTRAD	1512	
	-	-	191	And the second s		EXTERO	2512	

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	FUNCTION TUPK (IAKT) (18, JR) RECALL FROM ARRAY	EXTRAD	2612	
	DINENSION IRRY (1)	FYTOAN	21.05	
	DIMENSION ISF (6)	TESTA	546	
4	COMMON /MSKWAL/ WALMSKISS	EXTRAD	9512	
	COMMON /PMORK/ IPTC(22), TC(30,22), IPCN1(30,22), KMAX, T(50), JMXDB,	TEST	473	
	JHAX, IPCI(2640), IPC2(2640), IPC3(2640), IAMAX,	TEST	67.6	
		TEST	475	
	CONNON ZERROR/ IERR	EXTRAD	9612	
0	DATA IBYT /6/	EXTRAD	5199	
	DATA VALASK / / / COUNTROUGHOUSES	EXTRAD	0022	
	10003 77 6000000 0000000	EXTRAD	1022	
	2000001777 000000000	EXTRAD	2022	
	400000000000000000000000000000000000000	EXTRAD	5203	
	\$0000000 \$7.6600B.	EXTRAD	1022	
	600000000000000000000000000000000000000	EXTRAD	5022	
	UNIA IST UNGOLUNGO ULUNGO BEST COUNTER COUNTER COUNTER SECOND SEC	TESTI	192	
	X 000000000000000000000000000000000000	TEST1	248	
	v nonconzonana v na	TESTI	642	
0.7	IADDR=1+((1-1)/IBYT)+(J-1+(K-1)+JR)+IR	EXTRAD	5206	
	IF (I.LE.IMR.ANU.).LE.JRI.AND.K.LE.KRI) GO TO I	EXTRAD	1022	
	WRITE(6,100); J.K	EXTRAD	5208	
-	U FURNATION, ZIMARKAY DVE C. LUM -1, J. K. 31 10)	EXTRAD	6022	
	IADDR= IAMAX	EXTRAD	2210	
•	IERR=2	EXTRAD	1122	
-	IPOS=I-(I-1)/I8YF*18YT	EXTRAD	5212	
	IVAL = I ARY (IADDR)	EXTRAU	\$122	
		TEST1	250	
	JUINET VAL SAND. VALMSKIPUST	EXTRAU	4122	
30	IF (IPOS .GT. 2) GO TO 13	EXTRAD	5216	
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	ISFT=60-ISFT	EXTRAD	1221	
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1	I NOT I THE TANK I	TEST	252	
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•	DIMENSION IARY (1)		FXTRAD	2224	
	OTHERS TON TSF (6.)		TEST	254	
5	STUFF ARRAY		EXTRAD	5225	
5	COMPON THSKVALT VALNSKISI		EXTRAD	9222	
	COMMCN / PWORK/ "IPTC(22) "TO(30,22) "IPCNT(30,22) "KMAX,T(50) "JMXDB"	CNT (30, 22) , KMAX, T (50) , JMXDB.	TEST	476	
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10			EXTRAD	5229	
	CATA ISF/UDGO UU	occessors and a second and a second a s	TEST	452	
	x 000000000000000000000000000000000000	000010000000000000	TEST	556	
	X 0000002000000000000000000000000000000	000000000000000000000000000000000000000	TEST	152	
	IDTA=I GTA. AND . VALMSK(6)		EXTRAD	2230	
5	1460K=1+((I-1)/IBYF)+(J-1+(K-1)*JR)*IR	IR	EXTRAD	2231	
	IF (I.LF. IMR.AND.J.LE. JR1.ANJ. K.LE.KR1) GO TO 1	1) 60 T0 1	EXTRAD	2232	
	IAUDRE JANAX		EXTRAU	55.22	
	IERK=3		EXTRAD	1234	
	WRITFIG, 100) I, J,K		EXTRAD	5235	
20 100	FORMAT (10X, 21 HARRAY OVERFLOW -I, J, K, 3110)	31 10)	EXTRAD	2236	
1	IP0S=I-(I-1)/IBYT*I9YT		EXTRAD	22.37	
	ITWO=I BYT-IPOS		T EST1	258	
	IFTIFUS .61. 2) GO TO 13		EXTRAU	6522	
	ISFT=1 TWO*10		TEST1	559	
25	IARY (I ADDR) = IARY (IADDR) . AND . N. VALMSKIIPOS	HSKIIPOSI	EXTRAD	2240	
	IARY(IADDR)=IARY(IADDR) .OK. SHIFT(IDIA, ISFT)	DTA, ISFT)	EXTRAD	2241	
	60 10 12		EXTRAG	2522	
10	IT NO=I TWO+1		TEST1	260	
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30	IARY(I ADDR) = IARY(IADDR) . 33. (IDTA* ISF (ITMD))	(ITM3))	TEST1	292	
21	KETUKN		EXTRAD	5522	
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-	34	RSION Z.O	PERSION 2.0 LEVEL 761119	the second secon	EXTERE	6722		
	H	MHW CDC6600			EXTRAD	2250		
	202	MPUTES PANC	COMPUTES RANGES AND PRINTS THEM DUT FOR BECKIN HAPS.	FUR BSCAM MAPS.	EXTRAD	1522		
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	In	DIMENSION PSAVE (8)	FE (8)	DIMENSION REAVE(8)	CKTTRED TO ST	£522		
-	201	COMP. VMIN.	STECHP WHIN SAMIN ESTART DEL			181		
	03	HH CH / ADA TA	COMMONIADATA/I DAY, IMDUR, IMIN, I SEC, MIP, NSF, NDD, NRC	TP. NSF, NDD, NRC	EXTRAO	2256		
	2		***************************************	************************	EXTRED	1622		
	135	RA=S CON/ ICC	**	SCR4=SCON/ICOMF EXTRAD	EXTRAD			
	MA	RYES COR . (P)	PHIXES CRA PRINCE 11 51 . CEL NTHINTP 11 /1000.	*11/1000.	EXTRAD	6522		
	0=0	D= RMAX /6.8			EXTRAD	2260		
	Sa	PSAVETETEPHAY	The second of th	The second state of the second	EXTRAO	1322		
	1=1				EXTRAD	2522		
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20	10 00	10 CONTINUE			EXTRAD	5266		
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Commence		PROGRAM EXPAND	41/47 ON	4 OPT=1 FTN 4.6+428	05/03/78	78 18.00.13
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CONTROL/ERPAYS, 11, 12, 11, 11, 11, 11, 11, 11, 11, 11			DIMENSION P	PROG 10(3), JSY 1(4)		
COLUMNENCE (ITAKATA) (IIA, VA) (IIXB; B) (IITB; PB) (IIXB; PB) (COMMON /FXPA	D/TITLE(6),ICJDE,VERS,LEVEL,DAI,IRUN,NPAUE,NLOG AN/X1.X2.V1.V2.KMIN.XMAX.VMIN.YMAX	0000	
			EQUIVALENCE	E (IXA, XA), (IYA, YA), (IXB, XB), (IYB, YB), (IXK, XBAK),		
LOGICAL IPLI(4)				(IVR,YBAR)		
COLUMN 17.114.					2000	
DATA LYS. (23.4.1) S. (22.4.180E. / 123.180E. / 124.180E. / 124.18	-		LUGICAL IPL	11(4)	0.000	1
DATA ENGINE AND ELLAY STATE AND	•		DATA I SV.FI	ALSE . / . 21/. TR. JE . / . 72/ . TRUE . / . 73/. TR. JE . / . 74/ . TRUE .		
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DATA XINTEZ-140, V., INFIZA-90, 0V DATA XINTEZ-140, V., INFIZA-90, 0V DATA XINTEZ-140, V., THILLY-90, 0V DATA XINTEZ-140, V., THILLY-90, 0V DATA XINTEZ-140, V., THILLY-90, L.S., XK1, XK2, XK1, YK2, LK DATA XINTEZ-140, V., THILLY-17, THILLY-17, V., NSUBY/5, THETA-90, 0V, YSIZO, 2V DATA XINTEZ-140, V., THILLY-17, THILLY-180, LS, XK1, XK2, YK1, YK2, LK CALL PARE CALL DAY CALL LOW CALL PARE CALL DAY CALL PARE CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL PARE CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL PARE CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL PARE CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL DAY CALL PARE CALL DAY CALL CALL DAY CALL CALL CALL DAY CALL CALL CALL CALL CALL CALL CALL CA			DATA PROGIC	D/7HCOLLINS, 14 , 1H /, CSIZ/, 07/, SSIZ/, 05/		
DATA STURING SOUTH STATE STATE DATA SIZ/0.2/, MCV3/.YII/3H KM/.MSUBX/5/.YIHETA/D.D/ DATA SIZ/0.2/, MCV3/.YII/3H KM/.MSUBX/5/.YIHETA/D.D/ DATA SIZ/0.2/, MCV3/.YIII/3H KM/.MSUBX/5/.YIHETA/D.D/ DATA SIZ/0.2/, MCV3/.YIII/3H KM/.MSUBX/5/.YIHETA/D.D/ DATA SIZ/0.2/, MCV3/.YIII/3H KM/.MSUBX/5/.YIHETA/D.D/ CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	1		DATA JSYN/	IRC. IR., IR., 188,		۱.
DATA XSIZA-22, MCX73, XIII/3H KM, MSUMX5, XIIII/3H DATA XSIZA-22, MCX73, XIII/3H KM, MSUMX5, XIII/3H KM, MSUMX5, XIII/3H KM, MSUMX5, XIII/3H KM, MSUMX5, XIII/AH KM, MSUMX5,			DATA XTHET	2/-180.0/,YTHSF2/-90.0/	-	
DATA IPLIVATINE CALL PARTICLES CALL PLID3(PROGID,100.,11.,1.) CALL PLID3(PROGID,100.,11.,1.) CALL PLID3(PROGID,100.,11.,1.) CALL PAGE CALL PLID3(PROGID,100.,11.,1.) I READTS, IMPUT I RE			DATA XSIZZ	149.8962/.NGX/3/.KTIT/3H KM/.NSUBX/5/.X/HETA/8.U/ 8.2/.NGY/3/.YTIT/3H KM/.NSUBY/5/.YT4ETA/98.0/.YSI		
C			DATA IPLIA	4. FALSE.7	1	1
C CALL TIME (TITLE (\$)) C CALL DAY CALL DAY CALL PLOT (12.0,0.0,-3) S CALL PLOT (12.0,0.0,-3) I RE DOT 5. IRPUT I RE DOT 6. IRPUT I RE DOT 6. IRPUT I RE DOT 7. IRPUT I RE DOT 7. IRPUT I RE DOT 7. IRPUT I RE COT			HAMELIST /	INPUT/ IPLT,21,22,23,24,LS,XK1,XK2,VK1,YK2,LK		1
C CALL TIME (TITLE (5)) CALL DAY CALL DAY CALL DAY CALL PLOT (12.0,0.0,-3) 1 REAUS, JRPOT 1 1 IF (ECF (5)) 999, 10 1 WE NITE (5) 1999, 10 2 WE NITE (5) 1999, 10 3 CALL WISSEL (XX, 1, XX, 2, XE, 1, START, YEND, DELY) CALL WISSEL (XX, 1, XX, 2, XE, 1, START, YEND, DELY) CALL WISSEL (XX, 1, XX, 2, XE, 1, START, YEND, DELY) CALL WISSEL (XX, 1, XX, 2, XE, 1, START, YEND, DELY) XX 1= XX, XA, AA, AA, AA, AA, AA, AA, AA, AA,	2				0003	
C CALL TIME (TITLE (5)) CALL DAY CALL DAY CALL DAY CALL DAY CALL PLID3(ROGID, 180, 111, 11) 1 FECT (5) 1939, 18 1 FECT (2) 1939,	1	2	THI	ITIALIZE	0003	_
CALL TIME (ILLES) CALL DAY CALL PASE CALL PASE CALL PASS AMINETARY (12.0.0.03) I REAUTS, 173011 I REAUTS, 173011 I REAUTS, 173011 I RECET (5) 999, 10 I REAUTS, 173011 I RECET (13) 999, 10 I RECET (2) 1999, 10 I REAUTS, 173011 I REAUTS,	1	0			0003	
CALL PAGE			CALL TIME	TITLE(5))	2000	
CALL PLID3(PROGID,110.11.) 5 GOT 01 1 REAUS, TSPU1) 1 REAUS, TSPU1) 1 REAUS, TSPU1) 1 RECORD MX-YMIN REAUS, TSPU1) 2 WRITETE, THU! REAUS, TSPU1) 2 WRITETE, THU! REAUS, TSPU1 2 WRITETE, THU! REAUS, TSPU1 2 WRITETE, THU! REAUS, TSPU1 2 WRITETE, THU! RAME COMP. (RN - 5) PCELNINOTHEP, Pb. 3, PELEVATIONEP, Pb. 2) RAME COMP. (RN - 5) PCELNIN (1000.) / 4. 1 F. REAUS, TSTAT RAME COMP. (RN - 5) PCELNIN (1000.) / 4. RAME COMP. (RN - 5) PCELNIN (1000.) / 4. RAME COMP. (RN - 5) PCELNIN (1000.) / 4. RAME COMP. (RN - 5) PCELNIN (1000.) / 4. RAME COMP. (RN - 5) PCELNIN (1000.) / 4. RAME COMP. (RN - 5) PCELNIN (1000.) / 4. RAME COMP. (RN - 5) PCENT (1000.) / 4. RAME C			CALL PAGE		0003	
3			CALL PLTIDS	3(PR06ID,180.,11.,1.)		
		•	CALL PLOTE	(2-8-6-8-3)		
IF (ECG (5)) 999, 10 MINITED TIMOUT NLEMBY MAX-YMIN READ(2) THOUT NLEMBY MAX-YMIN READ(2) TH, CEL WIN, ELEVAT PURMET IN, CEL WIN, ELEVAT SORMITIN, TAY, THE STAFF, TELLWIDTHS, TO, 3, * ELEVATIONS, TELLWIDTHS, THE THOUSELY) CALL MUSCAL (TX, TX, TX, TX, TX, TX, TX, TX, TX, TX,	2	-	RE AD US . LOP	0.00	0803	_
10 WILLE INPUT) XLEMPENAX-YMIN YLEMPENAX-YMIN FEAD(21) 199.2 2 WRITE(6.90) 204. CELMY, ELEVAT 5 WRITE(6.90) 204. CELMY, ELEVAT 7 WRITE(6.90) 204. CELMY, ELEVAT 7 WRITE(6.90) 204. CELMY, ENDO. 1/4. RAMES COMP. (XX.1, XX.2, XLE4, XSTART, XEND, DELY) RAMES COMP. (XX.1, XX.2, XLE4, XSTART, XEND, DELY) CALL MUSCAL ITYI, TYZ.7 TEV, TSTART, YEND, DELY) XX.2 XSTART XX.2 XSTART XX.3 XSTART XX.4 XX.4 XANG+5 5 XLEH+XMIN YZ.4 XZ.7 XZ.7 XZ.7 XZ.7 XZ.7 XZ.7 XZ.7 XZ.7			IF (EOF (5))	999, 10	0003	
XLENSAND AND XLENSAND AND AND AND AND AND AND AND AND AND	1	10	WRITE(6, IN	POLI	2080	
READ(2)RIGGE WITH, ELEVAT 1 FROF (2)1999, 2 2 MRIFE(6,90) RN, CELWIN, ELEVAT 9 FORMATIS, FRIGE*, F6.19 * CELLINDTH=*, F6.3, * ELEVATION=*, F6.2) RAME-(5,00) RN, CELWIN, ELEVAT 9 FORMATIS, FRIGE*, F6.19 * CELLINDTH=*, F6.3, * ELEVATION=*, F6.2) RAME-(5,00) RN, CELWIN, ELEVAT 9 FORMATIS, FRIGE*, F6.19 * CELLINDTH=*, F6.3, * ELEVATION=*, F6.2) RAME-(5,00) RN, CELWIN, ELEVAT 15 FORMATIS, FRIGE*, F6.19 * CELWINDTH=*, F6.3, * ELEVATION=*, F6.2) RAME-(5,00) RN, CELWIN, ELEVATOR RAME-(5,00) RN, CELWIN, ELEVATOR RAME-(5,00) RN, CELWIN, FR.2, FERVATOR RAME-	1		ALENSK MAK-	NTUY	1000	
2 MRIFGE 42) 1999, 2 MRIFGE 401 MG CENTH, ELEVAT 91 FORMAT (11, ** TR FEF*, FE 1, **) ** ELEVATION=**, F6.2) RAMG=1 SC CM* (RN5) ** CELMIM/1000.1/4, RAMG=1 SC CM* (RN5) ** CELMIM/1000.1/4, CALL NUSCAL (1X1, XR2, XR2, XRE4, START, XRN0, DELY) XX 1=XX1 XRAT XX 2=XXZ 7XR R XX 2=XXZ 7XR R XX 2=XXZ 7XR R Y 1=XX1 / ARAG+5 ** XLE H+XMI* Y 2=YXZ 7XR R+5 ** YLE H+XMI* Y 2=YXZ 7XR R+5 ** YLE H+XMI* Y 2=YXZ 7XR R+5 ** YLE H+XMI*			READ (2) RN.	CEL WTH. ELEVAT	***************************************	
2 MITE(6.90 PM. CELMIN.6LEVAT 98 FORMATISTA FRIEST-FE.N.F. CELMINOTHST.F5.3.* ELEVATIONST.F5.2) RAMESTS CON* (RN-5)* CELMINA1808.1/4. FINANCISS CON* (RN-5)* CELMINA1808.1/4. TI CARL NUSCAL(19X2, XXE, XXE, XXENO, DELV) CALL NUSCAL(19X1, XXE, XXE, XXENO, TSTART, XENO, DELV) CALL NUSCAL(19X1, XXE, XXE, XXENO, TSTART, XENO, DELV) CALL NUSCAL(19X1, XXE, XXE, XXENO, TSTART, YEND, DELV) XX 1= XXX XXENO XX 1= XXX XXENO XX 2= XXE XXENO YZ = XXENO			IF (EDF (2))	2 '666		
98 FORMAT (IX,* RA MEE*, F6.8,* CELLWIDTH=*, F6.3,* ELEVATION=*, F6.2) RANG=1 SCON* (RXS)* CELNTH/1808.)/4. IF CANDTLESTGO TO 8 CALL NUSCAL(XX.)XXZ, XLEY, START, YEND, DELX) CALL NUSCAL(XX.)XXZ, XLEY, TSTART, YEND, DELX) XX.=XXX TART		2	WRITE(6,90	IRM, CELHTH, ELEVAT	1	
IF (:MOT-LSTG) TO 8 CALL MUSCAL(XX1,XX2,XEV, START, XEN0,DELX) CALL MUSCAL(XX1,XX2,XEV, START, YEND,DELY) XX12XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		16	PORMAT (1X,	* RANGEST, F6.8, CELLMIDIMET, F6.3, * ELEVATIONS*, F.		
CALL NUSCAL (XX1,XX2,XLE4,XSTART,XEN0,DELX) CALL NUSCAL (XX1,XX2,XLE4,YSTART,YEND,DELY) XX1,XX1,XX1,XX1 XX2,XX1,XX1 XX2,XX1,XX1 XX2,XX1,XX1,XX1 XX2,XX1,XX1,XX1 XX2,XX1,XX1,XX1 YX2,XX1,XX1,XX1 YX2,XX1,XX1,XX1 YX2,XX1,XX1,XX1 YX2,XXX1,XX1,XX1 YX2,XXX1,XX1,XX1 YX2,XXX1,XX1,XX1 YX2,XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	5		IF C. NOT. LS	160 10 6	1000	
CALL MUSCALIVA; FRZ; FLEV, FSTARI, PEND, DELY) KK1=XTARI KK2=XTARI YK2=TR NO YK2=TR NO X1=XX1, FRANC+, S* XLEN+ XNI V Y1=XX1, FRANC+, S* XLEN+ XNI V Y2=XX2, FRANC+, S* YLEN+ XNI V Y2=XX2, FRANC+, S* YLEN+ XNI V			CALL MUSCAL	L(XK1,XK2,XLEY,KSTART,XEND,DELX)		
XX = 5.5 Y A R Y XX = 5.5 Y A R Y YX = 15 Y A R Y YX = 15 Y A R Y S S S S S S S S S S S S S S S S S S	1		CALL NUSCA	LIVKI, VRZ, VLEV, YSTART, VEND, DELY)		1
XX.25X.MU YX.25X.MU YX.25X.MU X25XX.Z5XX.EH+XMI X25XX.Z5XX.Z5XX.EH+XMI Y25XX.Z5XX.Z5XX.Z5XX.Z5XX.Z5XX.Z5XX.Z5XX.			XK1=XSTART			1
			YK 1= YS TART	-		
			VK ZEVE NO	7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1000	١.
			NY TYPE IN THE	CO. SON ENGINE	2002	
			V1=VK1/RAN	Ge-5 ALENTHIA	5000	.=
	2		VZSVRZ/RAH	GO-SOVLEHOVAIN	9000	-

		19894
	1 1 2 1 2 - 2 - 2 - 1 EM - WALL TO A STATE OF THE STATE O	100551
	VK12 (V 15 TL EN-TRIN) - KAND	111561
	VE 25 (V 2-55 VIL E H-PALL H) PRATES	
	CALL MISCAL CKEL-KES-KLE4-KSTART-KEND-DELK)	
	THE PROPERTY OF THE PROPERTY O	
	CALL MOSCALITATION	
	KD IFF1 = ABS (XS) AKI - AKI)	
	12 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	VOIFF1=ABSIVSTART-VK1)	
	VO IFFZ = ABS (VEND-VKZ)	
	XD IFF1 = XD IFF1/ ((KEND-XSTART)/KLEN)	-
	ENTERSECUTORS/((KEND-KSTURI)/KLEN)	
	VOLTEES = VOTEE1/ ((YEND-YSTART)/YLEN)	
	TOTAL STATE	
	AK1= AS IAK I	
	IX Z= XE NO	
	TK 1=TS TAK I	
	7K 25 7E NO	666578
6		110560
38		111591
	-	
	77-117	010010
	A1 6-A6	179111
	14-111	00000
	71.5=16	2000
	The control of the	111651
0		men
3	EXPINE THE PARME	119911
95 6		
	(1x-2x)/(MTHX-XMHX)=X4S	
	SFV*(FMAX-VMIM)/(V2-VI)	
	MI MX + (1X - 2X) + X + S = ZX	
	72=5F7 - (12-11) + THIN	22.2.2.2
16	N THE STA	95 2000
	Hernin	MILE
	38 63 374 40 70	82288
	300	19/111
3		864000
95 1	16 MRITE(6,98) X1, VI, X2, C	22222
5	96 FORNAT (IX, * XI (IN) = 1, Fo. C. IIIIII	010010
	1. Y2(IN)=*,F6.2)	828888
	BE GX = X K.1	000030
	9E CV=VK1	THE PERSON
	FULLER	
	CHARACHS	
		2000
		27 49 84
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105	IF (OEL V-LT.1.) OEL V=A85 (E.5)V-8E-V)	
-	CRIL LIMINGINATH, FAIN, XIII, NCX, XLEN, NS OS 1, XS	38 8918
	1x14E1A.x51Z.661)	
	CALL LINEOGRAPIN, PHIN, VIIT, NCF, VLEN, NSOBY, VSIARI, VEND, DELT.	00000
	VY HETA. VSIZ-0-11	
	THE CHECKETTO THE CONTRACT OF THE WAS USEN AS I AND THE CONTRACT OF THE CONTRA	
111	. THE IZ . TS I Z	20000
	CALL LIME OG THEX. THIM, TIIT, U. TER, HS UST, TSIRET, TERU, DEL T C.	00000
	1 V THE T2 - V S I 7 - 0 - 0 1 1	

12							
	115		IF (EDF (2)) 999, 11		256222		
		11	-				
			CALL LABEL (IXA, IVA, EL EVIT, X312)				
			50 10 3				
	:	31	CONTINUE				
	69	-	TELEVICE CONTRACTOR CONTRACTOR		-		
			IF (KA. GE. 4 000) GO TO SO				
		-	PE1072178. VS. VS		111111		
			IF (EQF (2)) 999,13		001829		
	52	C	IFTKB. NE 9991 GO TO 32				
000 11000 640 0000			CALL . ABELITYB, ITB, ELEVIF, XSIZ)				
		,					
		32	- [-		
	**		IF (RE. DE. 4 200) 50 TO 500				
000 12000 600 000 000 000 000 000 000 000 000		-	TETER LY. S. BIYES XK-4. S. S. K. ENOXHINO XD IFF				
			IF (KA. 67.5.8) XAS=XA-4.+.5* KLEW+XMIN-XDI7:2				
	-		YBS=XB-4 Seylen. YMIN		231110		
000 65 000 65 000 000 000 000 000 000 00			IF (x8. LT. 5.8) x85=x8-4.4.5.4. ENOXHINO XDIFF1			1	
	35		IF (#5, 5T, 5, 8) XBS=XB-4+, 5 * XLEN+ XMIN-XDIFF?				
			TELEVISION OF BENEFIT & CONTRACTOR OF THE PROPERTY OF THE PROP			1	
			IF I'M, GT. S. ODY ASSTALL, C. SOVIENOVATA-VOIFF				
			VBS=VB-4.6.5eVLEN4V4IN		BRIDER		
	;		IF (YB. LT. 5.8) YBS=YB-4.+.5.fLENATHINAVDIFF 1				
			IF (PB. GT. S. GIPBS= PB-4 J. PLEN. PRIN. PDIFT?				
			IF (.NOT.LS) GO TO 18		001078	1	
			Ont onegon		20100		
	65				001100	-	
			XAS= (XAS-XII) • SFX+XMIN				
		-					
						1	
			VBS=(VBS-VII) *SFF+VMIN		681150		
	2.5	10	CARMETTER STORY THE TEL TEL TEL TEL TEL		1111111	1	
			10.0		081170		
			PLOT THE LINE IT POSSIBLE		001160	1	
		0			001190	1	
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	33		TF (Z1. MD.KA.ED.3001) 50 TO 19		001500		
6 5 5 POD W	-		14 (22. AND. KA.E G. 3002) 50 10 19		0177100		
			15 (74. 1M) - KA. FO. 2004) GO TO 19		081230		
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			CO TO 26	The second secon	842180	1	
	99	19	CALL EXPANITINAS, 185, 1851, RETURNS (20, 12, 4)		001250		
101 FORMAT (1) 50 TO 50 102 60 TO 12 50 TO 12 50 TO 12 50 TO 12 50 TF (.NOT.		12	WITERS, 1813		192110	1	
60 TO 12 102 FORMAT(1 102 FORMAT(2 10 TO 12		101	FORMAT (1H+, 40x, +0UTSIDE PLOT AREA*)		081578	1	
192 FORMAT (1 50 TO 12 50 TO 12 51 IF (-NOT.		0.7	40 TO 12		001290		
60 TO 12	22	(87	FORMIT (FIRE, LAY, STREETS, SAID PLOTS)		681300	1	
50 TFC.801.	,	1	60 10 12		001310		
Sg IFC.NOT.		00	PLOT THE CENTRALL IF POSSIBLE		001330		
23			ברמן ועב מבעוצמוס זו נמסומרב		081343	1	
	7.9	2.0	IF C. NOT. LKJ GO TO 3				

		FRENE				
	:01	ID=KA				
	09 003	50 TO 53				
		THE POST OF THE PO				
		YBAR=YB				
	101	10=KB			-	
	05	60 10 53				
181	136 15	PEADIZINBAR, VBAR, ID	JAR, ID		111360	
		IF (EOF (2)) 999, 52	52		881378	
	41 25	IF 110. NE 9991 63 13	60 10 55			
	CAL	LL LABELLIKE	CALL LABELLIXR, IVR, EL EVAT, XSIZ)			
	05	GO TO 3				
185	53 50	CONTINUE				
	EX	ARS= XBAR-4.	THARS THAR-4. 4.5° XLENOTTI			
	181	AR ST 78 AR-4.	FBAR SE YBAR-4.4.50 YLENOY 4IV		001100	
	41	IF C. NOT. LS JGO TO 63	10 68		019100	
	18x	ARS= (XBARS-X	KBARS= (KBARS-KII) #SFX+X4IN			
161	TR	ARS= IVBARS-	PRARS= IVBARS-VILI *SPYCYVIN			
	60 MR	ITE(6,103)xE	MRITE(6, 103) KBAR, VBAR, IJ, KBARS, YBARS		001440	
	103 FOI	742 'X1) INHA	FORMAT (1X, 2F7.3,15, T50, 2F5.3)		164111	
	15	(KBARS.LT.X)	IF (KBARS.LT.X1.0R.XBARS.ST.X2.0R.YBARS.LT.Y1.0R.YBARS.GT.Y2)	R. TBARS . GT . T2)	11460	
	160	19 01 021			20167	
195	1	IJKID= ID/1000				
	16	JINDEX=1JKID-3	JINDEK = IJKID-3			
	-	TARREST SAME	17 71 70 11 11		-	
	23	LL SYMBOL (X	CALL SYMBOL (XBARS, YBARS, SSIZ, ISYM, XTHETA, D)			
102	4	TE (JINDEX - GE - 3) 60 10 51	13 60 13 51			
	13	FID= 10-1JKID-1008				
-	CA	LL NUMBERIXE	CALL NUMBER (YBARS 4. SFCS12. VBARS SFCS12.3512.F13.XTHETA1)	ID.XINETA13	BASTAR	
	09	60 TO 51			101510	
	61 HR	WRITE(6,101)			125111	
205		60 TO 51			001530	
	2				196101	
	v	TERMI	TERNINATE PLOT		001550	
	000	CALL FINDRET			001570	
216		200			113511	
	END				1159	

BLOCK DATA BLKDAT. 74/74 OPT=1	17. 7	*//*	0	FTH 4.64428	05/03/70	05/03/78 10.80.13 PAGE	PAC
	1 10 10 10				103.01	1	
	COMMON	MEADA	TTLE	COMICON MEAD/TITLE (6) , ICODE, VERS, LEVEL, DAT, IRUN, NPAGE, MLOG	011010		
	COMMON	MACHALINONALINE	XIX	DIRFORAL INUMALINE OPRION (EXPRICAL: X2, F1, F2, C RIN, XMAX, YMIN, YMAX	1620	1	
	DATE X	71.0	2	TA X1/1.0/.XZ/9.0/.71/1.0/.72/9.0/	18164	1	
	TRUE T	TEE/THE	2	DATE TITLE/THPEGERE, TH EXPANSIH -1H -1H -1H -1H -1 V - I V	1158		
			1		ER 4 K 50		

	SUBROUTINE	SUBROUTINE EXPANTIXA, TA, TA, TA, TRETURNS INT, NZ, NS)	869188	
0	*************	0.0170000000000000000000000000000000000	801700	
	VERSI	VERSION 1.0 LEVEL ///0331/	981/18	
	TA TA		881738	
	*************	092100	***************************************	
	COMMONVEXPA	COMMONZEXPANZI, XZ, VI, YZ, KHIN, XHAX, VHIN, VHAX	16.7191	
			00/100	
00		TEST IF LINE IS IN THE AREA	881789	
1			06/108	
	IF CXA. LT. X1	IF CKA. LT. XI. AND. KB. LT. XI) ETUEN NI	200120	
	IF CVA. I I. VI	TE CARLIE AT AND A BALL AT ATTACH AT	001820	
		IF IVA. GT. TZ.ANG.VB.ST. VZJ RETURN NI	001830	
5			20100	
	2	I IF LINE IS ISIALLY IN THE AVEN	09100	
	1 YA . GE . YI . AN	IF TAR. CE. VI. AND. VA.LE. VZ. ANJ. VB. CE. VI. AND. VB. LE. VZ. AND. IVA. CE. VI. AND. VA.LE. VZ. ANJ. VB. CE. VI. AND. VB. LE. VZ. SO. TO. 49	001870	
	168	TEST TE SLODE IN INCINITE	001189	
			016100	
		IF ((XB - XA) . EQ. 0.0) GO TO 17	001920	
00		TEST IF SLOPE IS ZERO	001930	
	IF ((YB-YA).	IF ((YB-YA) . EQ. 0.01G0 TO 18	001950	
50		TEST IF POINT A IS IN THE AREA	001970	
		IF (XA. GE.X1.AND.XA.LE.X2.AND.YA.GE.Y1.AND.YA.LE.Y2)GO TO	20 002000	
	C TES	TEST IF POINT B IS IN THE AREA	005050	
	TF EXA. GF. X1	TERKE CERT AND XB.LE.X2.AND. FB.GE.Y1.AND. YB.LE.Y21GO TO 19	002020	
		PERSONAL TO STORE TO STORE	050200	
-		מנו נמונו וה מרספה זותה	042970	
		SL 0P 8= (Y8-YA) / (X8-XA)	00500	
	(IX-8X)+840TS-84=8	BEYB-SUB-STAND OF THE CALL CALL CALL CALL CALL CALL CALL CAL	00200	
	IF 18.GE.VI.	1	011200	
	8=V8-SLOP8+(X8-X2)	• (x8-x2)	002120	
	IF (8.6E.V1.	IF (B.GE.Y1.AND.B.LE.Y2.44J.XB.GT.XZ)GO TO B IF (B.GE.Y1.AND.B.LE.Y2.4XD.XA.GT.XZ)GO TO 9	082140	
	SLUPIA 1. U/SLUPB	SCOPE	002150	
	TFIR-SE-XI	CT 02(14)-18-LT-1150 T3	10 21 78	
	IF (A.GE.XI.	IF (A.GE.X1.AND.A.LE.X2.443.YA.LT.Y1)GO TO 7	002180	
	RETURN N3		002200	
	-		012200	
			002220	
	S XAEXI		042280	
	NA ES		9986	

			41225	
	11811		003338	
	T and T		005510	
	60 TO 10		002200	
1	YA=Y1		062200	
	XX = X		005200	
	50 10 24		002319	
-			007.870	
			003330	
	930		000000	
	50 TO 18		005340	
6	XA=X2		302350	
	HE 1A		002360	
			042270	
The second secon	20 10 20		965318	
			000700	
0	SMITCH POINTS A AND B		005390	
2			005200	
10	XS=XA		002410	
	TARK!		024288	
	S S S S S S S S S S S S S S S S S S S		082430	
-			HHOLEN	
	141140		00000	
	X0=XS		004200	
	VB=VS		012460	
	50 TO 28		002470	
			THE PERSON NAMED IN COLUMN NAM	
-	IF (TA.LI.TIVA=11		005-00	
	IF (YB.LT.Y1)YB=Y1		064200	
-	TF (VA. Gr. VZ) VA=VZ		002200	
	TE LVB. CT. V23 VB. V2		002510	
-			HH 26.2H	
:	56 01 05		026200	
10	IF IKKOLI OKIJKATAI		965300	
	IF (XB.LT.XI)XB=XI		095240	
	IF CKA. GT. X21XA = X2		002550	
	IF (XB, GT, X2) XB=X2		0025E0	
	60 10 69		862578	
-			002560	
	STREET BY THE OUT A THICK SATE OF THEST	75	002590	
	ורפו ומי פותר ביותו איום ביותו פי יייור ביים	2	- H 2 2 H 1	
			000700	
20	SLOP de (YB-YA) / (XB-XA)		0192910	
	B*YB-SLUPB*(XB-XI)		029200	
	TF (8.GF. Y1. AND. 8.1 F. Y2. LND. X8.LT. X11GO 73 22		002630	
-			HR 76.68	
	מבים כב כי מים מים בי בי מים כי בי מים כי בי מים כי		2000	
	IF (B.6E. 11. AND. 6. LE. 72. 3 10. 48. 61. 42.) 60 13 24		06620	
	St 09A4 1.0 / St 0 PB		09 92 00	
	A= XB-SI OPA+(VB-V1)		082670	
-	THE REAL PROPERTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADD		083680	
	IF IN OUT OF THE OUT OUT OF THE OUT OF THE OUT OUT OF THE OUT OF THE OUT		00000	
	A=XB-5L0PA+(VB-12)		860788	
	IF (A.GE.XI.AMO.A.LE.XZ.140.YB.GT.YZ)GO TO Z8		00 27 00	
	OF TUDO MS		002710	
-			11877711	
77			2000	
-	ABEA1		96 77 90	
	64 01 03		04,700	
42	18=8		002750	
	X1=17		002760	
	9 01 03		682770	
-			1000	
97				
	11=91		985138	
	67 01 09		00 20 00	
28				
			012810	

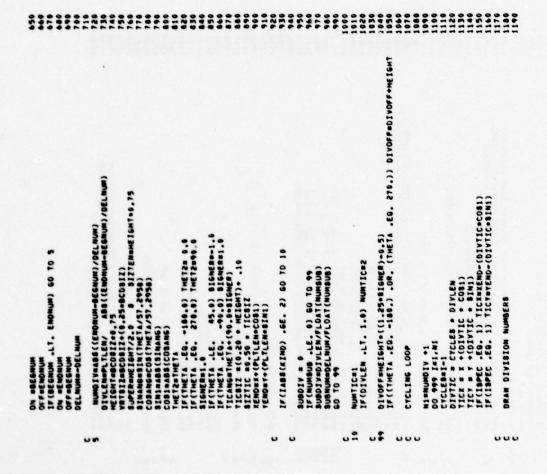
		82449.4 HIL	82/88/18	05/03/70 14.00.13 PAGE	PAGE
PL01	PLOT THE LINE		P+9211	1	
49 CALL PLOT (XA, YA,3)	74,33		090200		
RETURN NZ	12981		100200		

	R	BROUTINE NO	SUBBOUTINE MUSCAL (XI, X2, KLEM, XSTART, XEND, DEL X)	END, DELY!	
	10	DIMENSION DELTACES	TA(15)		
	70	TA DELTA AL	DATA DELTA /1.,2.,5.,10.,20.,25.,40.,50.,75.,100.,150.,200.,	50.,75.,100.,150.,200.,	
	\$2.	.250.,350.,500./	,,		
2	NX.	TH LY = X Z			
	××	KMIN=X1			
Contract west from Contract Co	11	IF (XZ. LT. X1) XHAX= X1	HAKEKI		
	IF	IF (XZ.LT.X1)XMIN=X2	MIN=X2		
	10	DIFF = (XMX X - XMIN) / XLEN	ITHI/XLEN		
110	10	JIEF &A BS (DIFF)			
	90	51'2=f 81 00			
	11	101FF.6T.DE	IF (DIFF.67.0ELTA(J-1).AV).DIFF.LE.DELTA(J))50 TO 20	TACJ1150 TO 20	
L.	02 01.	CONTINUE			
	7	F15			
2 2	20 DE	DELX=DELTALJ			
		ISTART = XMIN/DELX	JELX .		
	15	KSTART = I START * DELY	I* DEL X		
	15	CXMIN-LT.0.	IF (XMIN.LT.0.0) XSTART=(151421-1)*DELX		
-	IE	TEND=XMAX/DELX	X.		
28	3x	XEND=(IEND+1) + DEL K	*DELX		
	JI.	CXMAX.LT.8.	IF CXMAY.LT. 8. 81XEND=LENJFJELY		
	RE	RETURN			
	CNE	0			

SUBROUTINE LABEL	LABEL	74/74 OPT=1	0PT = 1	FTM 4.64628	05/03/78 16:00:13	16.00.13	
	00	SUBROUTINE LABELT	SUBROUTINE LABELITY, IT, ELEVAT, XSI Z) DIMENS JOH LABL(3)	1			
	no	ATA LABLYGH	DATA LABL/4MDAY, 6HTIME, 6HEL / CALL SYMBOL(.5,.01,XSIZ, LABL(1),0.,4)				
•	0 6	ALL SYMBOLIG	ALL SYMBOL(6.8,8.81,XSIZ,1X,8.,-II ALL SYMBOL(6.8,8.81,XSIZ,LABL(2),8.,4)				
	50	ALL SYMBOLES	CALL NUMBER (5.5,6.01,X512,1Y,0.,-1) CALL SYMBOL(7.8,8.01,X512,LABL(3),0.,4)				
11	0.4	CALL NUMBER () RETURN	CALL MUMBER(8.5.U.01,XSIC,ELEJAT,U.,I) RETURN				
	-						

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THE TEAR TERMS X CORD OF POINT BEGWAN IN INCHES NUMBER OF TILE NUMBER OF POINT BEGWAN IN INCHES PLILEN NUMBER OF POINT BEGWAN IN INCHES PLILEN NUMBER OF POINT BEGWAN IN INCHES PLILEN NUMBER OF POINT BEGWAN IN INCHES BEGWAN WALUE AT AKIS OFFER MAJOR DIV. SELVE AND STORE MAJOR DIV. THETA OF AITS OFFER MAJOR DIV. OEL STATE FOR STORE MAJOR DIV. OEL STATE FOR STORE MAJOR DIV. OEL STATE FOR STORE MAJOR DIV. OEL STATE OFFER MAJOR DIV. OFFET TO RIGHT OFFET TO RIGH	PUT PARAN	TIDE LABELED LINEAR OR LUG AAID	_					
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E AXS MAJOR DIV. (M.A. LO V. IN 1/3 V. IN 1/4		DF P01NT	-	TH THE				
MAJOR DIV. V. IN 1/2 V. IN 1/3 V. IN 1/4	-	D OF POINT	-	=	2			
E AXSS WASON DIV. V. IN 1/2 V. IN 1/3 DOTTON LEFT TO LEFT T	00	۳.		-				
E AKES MAJOR DIV. V. IN 1/2 V. IN 1/3 V. IN 1/4 V.		OESUPRESS TI	2					
V. IN 1/3 V. IN 1/3 V. IN 1/3 WEEN 44JOR DIV. \$2000 AT EMPNUM *** PT. ** PT. *** PT.	PLTLEN	IN INCHES	MTINE					
V. IN 1/2 WEEN MAJOR DIV. #200 AT ENDNUM #20 NUMBERS #20 NUMBERS #20 NUMBERS #20 AS Y #20	MUMBUS.	BUBDIY. BET		A 308			S.A.	100
MEEN MAJOR DIV. 22000 AT ENDNUM 1820 MUNDERS 200700 LEFT TO 108ED AS V BOT TO 111LE EXP ONLY 111LE BASE E EXP		STATEMENT SCHOOLAI		:	•			
MEEN MAJOR DIV. PT. PESS MUMBERS BOTTOM LEFT TO LEFT					**			
MEEN MAJOR DIV. 20040 AT ENDMUN. 1020 MUNDERS 1020 AS Y LEFT TO 10					:			
MEEN MAJOR DIV. ***********************************	BEGNUM	AT AKIS	MI					
MEEN MAJOR DIV. 200400 AT ENDNUM MESS MUNDERS BOTTON LEFT TO LITLE EXP ONLY TITLE BASE E EXP	ENDNUM	AT AKIS						
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RESS NUMBERS DOTTON LEFT TO USED AS Y LEFT TO USED AS X BOTTO USED AS		-DEL . START	DIVIB	IOMS A	T END	3		
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28 LOG AXIS NORMAL TITLE EXP ONLY 38 LOG AXIS NORMAL TITLE BASE 10 & EXP 48 LOG AXIS NORMAL TITLE BASE E EXP -38 LOG AXIS VERT TITLE EXP ONLY -38 LOG AXIS VERT TITLE BASE 10 & EXP -48 LOG AXIS VERT TITLE BASE 10 & EXP -68 LOG AXIS VERT TITLE BASE 10 & EXP -68 LOG AXIS VERT TITLE BASE 10 EXP -69 LOG AXIS VERT TITLE BASE 10 EXP -60 LOG AXIS VERT TITLE BA	ITYPE	EAR AXIS	SHAL	TITLE			DEFAL	Tel
ASS LOG AIS MORMAL TITLE BASE 10 & EXP -18 LOG AXIS NORMAL TITLE BASE E & EXP -18 LOG AXIS VERT TITLE EXP ONLY -38 LOG AXIS VERT TITLE EXP ONLY -48 LOG AXIS VERT TITLE BASE 10 & EXP -48 LOG AXIS VERT TITLE BASE E & EXP FC-00 (ORIENTATION AND SIZE PARAMETERS) FC-00 (DEL .LT. 0.0) ISPECE!		AKIS	BHAL	TITLE	EXP	ONLY		
48 LOG AXIS NORMAL TITLE BASE E & EXP -18 LOG AXIS VERT TITLE EXP ONLY -38 LOG AXIS VERT TITLE BASE 10 & EXP -48 LOG AXIS VERT TITLE BASE E B EXP -48 LOG AXIS VERT TITLE BASE E B EXP -48 LOG AXIS VERT TITLE BASE E B EXP -60 ENTENTATION AND SIZE PARAMETERS -60 DEL LT. 0.0) ISPECE!		AXIS	PHAL	TITLE	BASE		EXP	
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-28 LOG AXIS VERT TITLE EXP ONLY -38 LOG AXIS VERT TITLE BASE 10 & EXP -48 LOG AXIS VERT TITLE BASE E & EXP		LINEAR AKIS	181	TITLE				
-38 LGG AXIS VERT TITLE BASE TO & EXP -48 LGG AXIS VERT TITLE BASE E B EXP FORMINATION AND SIZE PARAMETERS FC-CO DECLT. 0.0) ISPECE!		LOG AXIS	-	TITLE	EX EX	ONLY	1	
-4= LOG AXIS VERT TITLE BASE E B EXP (ENSION BCD(1) (ORIENTATION AND SIZE PARAMETERS (DEC. LT. 0.0) ISPECE!		LOG AXIS	-	TITLE	BASE	-	EXP	
IENSION BCD(1) ORIENTATION AND BIZE PARAMETERS EC=0 Obel .Lt. 0.0) ISPEC=1 Delitype		LOG AXIS	181	TITLE	BASE	- w	EXP	
ORIENTATION AND SIZE PARAMETERS ECHO DEL .LT. 0.0) ISPECH1 DELTYPE	S MOTON S	10000						
ORIENTATION AND SIZE PARAMETERS EC=0 Del .Lt. 0.0) ispec=1 Deltype								
FC=0 DEL .LT. 0.0) ISPECE1 DEITYPE	ORIENTA	ITION AND SIZE PARAME	TERS					
18PEC=1								
ISPEC=1	EC#0	199						
	DEL .LT.	0.0) ISPEC#1						
	DEITTPE							



D-63

```
IF (IABB(KIND) .EG. 3) CALL MUMBER (KP, VP, BIZTEN, 10., THET2, -1)
IF (IABB(KIND) .EG. 4) CALL SYMBOL (KP, VP, BIZTEN, 1HE, THET2, 1)
IF (THETA .EG. -0.) 60 TO 202
IF (THETA .EG. -100.) 60 TO 203
IF (THETA .EG. -0.) 60 TO 203
IF(NUMDEC .LT. (-1)) 60 TO 301

DIYNUM S BEENUM +(CYCLES - DELNUM)

IF(ISPEC .EG. 1) DIYNUMENDNUM-(CYCLES-DELNUM)

IF(ISPEC .EG. 20.0) 60 TO 102

DIYNUMENTY CO. 102

DIYNUMENTY WAM-KMOD 60 TO 102

DIYNUMENTY WAM-KMOD 60 TO 102

GO TO 101

IF (DIYNUM .ME. 0.) PLACES = AINT (ALGE10 (ABS (DIYNUM)))

OFFSET = .50 = NEIGHT = (PLACES + FLOAT (NUMDEC) + 1.25)

OFFSET = .50 = NEIGHT = (PLACES + FLOAT (NUMDEC) + 1.25)

TF(ITHER .EG.-10.), (NETA.EG. 270.) OFFSET = OFFSET

XPHICX+(OFFSET ACOSANG)-(DIYNUM, THET2, NUMDEC)

CALL NUMBER (XP, 7P, MEIGHT, DIYNUM, THET2, NUMDEC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IF (NUMBUS .LE. 1) 60 TO 999

DO 363 .J. 2. NUMBUS

TEST(SESNUM-(CTCLES-DELNUM)) + (FLOAT(J-1)-SUBNUM)

IF(TEST .LI. OM) .OR. (TEST .ST. OFF)) 60 TO 363

SUSTIC = SUBDIV * FLOAT (J.-1)
                                                                                                                                                                                                                                                                                                                                                                                                                         XPBERF-HEIGHT 8 TPBERT-HEIGHT 8 GO TO 299
XPBERF-HEIGHT 8 TPBERF-HEIGHT 8 GO TO 299
XPBERF-HEIGHT 8 TPBERF-HEIGHT 8 GO TO 299
CALL NUMBER (XPB, FPB, SUPER, DIVNUM, THETZ, NUMBEC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CALL SYMBOL (TICX, TICY, TICGIZ, 53, THETA, -1)
                                                                                                                                                                                                                                                                    SPECIAL LABEL LOG BASE 10 OR E & EXP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         IF ( DRAM .EQ. 0.0) GO TO 302
XXXXXXIXY+(DRAM-SIMANG)
YYVYYIXY+(DRAM-COSANG)
IF THETA .EQ. 180.0) YYYXYIXYY+DEAN
CALL PLOT (XXX,YYYY,2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DRAM SUSDIVISION TICS LINEAR AXIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IF(IABB(KIND) .GE. 2) GO TO 304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DRAM MAJOR DIVISION LINES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DRAM DIVISION TICS
                                                                                                                                                                                                                                                         0002
                                                                                                                                                                                                                                                                                                                                                                                                                              2222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ....
                                                                      101
                                                                                                                   105
```

THET3#90.0

IF(IABE(THETA) .E0. 90.0) .OR. (THETA .E0. 270.0)) THET3# 0.0

SIN3#SIN(THET3/51.2958)

COS3#COB(THET3/51.2958)

COS3#COB(THET3/51.2958)

OFFCH#ROFFCEH*(COS3*(FLOAT(N)*VRTBIZ)))*BCOBIZ

OFFCH#ROFFCEH*(COS3*(FLOAT(N-2)*VRTSIZ))

SIGN3#1.0

SIGN3#1.0

BCOOFF HEIGHT*((1,25*8)543)*0.55)

YCHY*(OFFCEM*COS3)*(GCOOFFSIN3) TARTICE (SUBTICEDINI)
CALL BYMBOL (NB, YB, BIZTIC, 15, TICAM6,-1)
CONTINUE YBETICY+(TICLOG=81N1) CALL 87MBOL (X8,78,81271C,15,71CANG,-1) IF(18PEC .EG. 1) BUBTICH-BUBTIC XB#TICH+(BUBTICHCOB1) IF(I .6E. M1) 60 TO 999
DD 385 JR2.9 MUNHITC
TICLOGODIVLEM-ALOSIG(FLOAT(J))
TIF(DELMUM .LT. 0) TICLOGO
X8=TICH*(TICLOGOCOSI) IF (N .EG. 0) RETURN IF (KIND .LT. 0) GO TO 1001 DRAM SUBDIVISION TICS LOG CALL PLOT (XEND, YEND, 3) CENTER NORMAL TITLE CENTER VERT. TITLE DRAM AXIS LINE CONTINUE 303 £

DE1. DE2. DE1. DE4.	PROSREM ASOCCE (INDUT, DUTPUT, TAPE1, TAPE2, TAPES=; NPUT, TAPE6=OUTPUT, 001100
COMMON /FLGS/ ITYPE, PRI, PRZ, PR3, PR4, ISTOP	008120
CALL INIT	000131
F(ISTOP .EQ. 1) STOP	000137
XX ME. 61 CO TO 5	000143
REMIN' IDEVE	000147
	COMMON INPUTATIONAL COMMON INPUTATIONAL COMMON INPUTATIONAL CALL PAN INFORMATIONAL CALL INPUTATIONAL CALL INPUTATIONAL CALL INPUTATIONAL CALL INPUTATIONAL CALL INPUTATIONAL CALL INPUTATIONAL CALL CALL CALL CALL CALL CALL CALL C

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SLOCK DAFA SLEDAT. 76/76 OFFEL	MI. 78/78	CPIST 6-55626	04/28/78 12.50.52	12.50.52
-	SLOCK DATA	OCTAL DOS DOS DOS	000270	
	COMMON /DATA	COMMON / DATA/ VCL (13, 180, 3), ECL (18, 200), INVCL (25), ICMPRL (18)		
5	COMMON /CNTR	COMMON ZONTESZ IELSCH,IZISCH,IATR(S),MATR,IWCLMY,IMPWY,ICMPMX COMMONZANCTIZ ELMC.IDMR.IMP.MIN.TESC	HPHX 0.04326	
	COMMON /FLGS	COMMON /FLGS/ ITYPE, PRI, PR2, PR3, PR4, ISTOP	000330	
	DATA 1478/3,7,9,7,5/	DATA TAPERAL TACIMALIBAL THIMALOSA		
	DATA PRIV.F.	0414 PR1/.F./.PR2/.F./.	88856	
	DATA ICHPHX/10/	10/	080857	

10.0.5. 10.0.5. 10.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.1.0.1	1.25.1.CMPRL(10) 000000 1.47.TMMX,TCMPMX 0000450 0000450 0000450 0000450 0000450 0000450 0000550 0000550 0000550 0000550 0000570 0000710 0000710 0000710 0000710 0000710
	0004430 0004430 0004430 0004520 000530 000530 000550 000550 000550 0005144 000712 000714 000714
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	000500 000500 000500 000500 000550 000550 000500 000570 000712 000712 000712 000712 000712 000712 000712 000712 000712
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210 FORMAT (1X, 2110)	

28 184/28/78 12.58.52 PAGE 2	10790
SUBROUTINE INDIG TAZZA OPIZI	238 FORMATICEX, FEDF REACHED ON TAPE1+1 65 RETURN 60 END

	SUBADUTINE TRACK	025000
	COMMON FOREAT WOLLDS 180:55 FCC LINE COUNTY SALE CASE LONG LINE COMMON FOREST FCC STATES THE COUNTY OF THE COUNTY	0 78000
	COMMON /ANCIL/ ELANGA, IDAY, INK, MIN, ISEC	00000
	33, 284	000000
	•	006000
	TPACK.	026000
	C ASTUME VELESO MYSEC	028000
	STATE OF THE PROPERTY	
	TANEL = TAN (EL ANGE RPD)	0 76 000
	COSP4T = COS (ELANG * APD)	036888
	PRINT 410, TANEL, COSPHI, JOSPHIZ, ELANG, ELANGP, IELS CN, IVLSCN	0.0000
	311X,F10.61,	800500
	.6T. ELANG)	066000
	TELCONETELSCHOOL	90101
-		081020
	CN .EQ. 1) GOTO 15	081030
	C INITIALITY UNL. CELL TAR F POINTEPS	001040
	יות היים היים היים היים היים היים היים היי	00100
	IAVOLS#1	081070
	140.041	060100
	C ENTAT FOR FIRST SCAN OF YEN VOLUME SCAN	881100
	A20 COSAGE CAS STORES	001110
	70 13 JX=1, IECL♥	001130
-	INTETAL CELLS	801160
	C CALCULATE SURFACE COORDINATES T1=((IDAY*24*IM2)*60*IM1960*ISCC	001150
	X9=50 (3, JX) • COSPMI	001160
	85=500T((X5*X5)+(T5*T5))	001180
-	HE-ASSTANEL	001510
	VOL (1, IVCLS, ITVPE) = XS	001200

		831238
	VOL (5, IVCLS, ITVPE)=ECL(2, JX)	99125
	1761.5	001260
	VOLTE, IVCLS, ITYPEL-MIN	001270
	VOLTO, IVOLS, ITYPE: # 19EC	001280
	OLS, ITYPED = EQ.(1	
-	# C. (12, 54, C.S.) 11521 = EC. (7, JX)	001310
		901320
	- (5-22) 54 41 555-34 - 18-15-14-14-14-15-11194) - KI=1-13)	001330

### ##################################	PARTY 319 PARTY	001370 001390 001390 001390 001490 001420 001420 001430 001440
	SEGMENT PATR(END) SEGMENT PATR(END) LASCHINGLS, INCLO, INC	001590 001590 001520 001520 001524 001524 001524 001524
	SEGMENT PATRIEND) 1 430,120,12,120,120,120,117,120,120,117,120,120,120,120,120,120,120,120,120,120	001610 001620 001620 001620 001620 001620 001630 001630
	A30,IVCLS,IVCLC,IVCLP IT. VOL. CELLS-/*IVCLS-*, I4,2X,*IVCLC-* A30,IVCLS,IVCLC,IVCLS- CELLS TO AULLD VOL CELLS SSCC. EL. CELLS-) CCLS TO AULLD VOL CELLS CCLS TO AULLD VOL CELLS CCCSPH CCCSPH	011620 011620 011626 011626 011630 011640 011640
	Mad.	001627 001624 001630 001630 001641 001640
	117. WOL. GELIS-/*!VGLS-*,14,2X,*!VCLG-*	031424 001430 001430 001440 001440
4] 4 1 1 1	5117	001430 901440 901442
	1 1 1	991642
3		001244
3		
		001450
	() *COSPHI 1.*COSPHI 5.*ELXS) + (ELYS*ELYS)) 3X) *COSPHI	
	5*ELX5) + (ELYS*ELYS)) 3X) *COSPHI	
	IH3CO3+(XF	001500
		The state of
		881518
	СМРНХ	001516
	IFFDR3) PRINT 450,2HEL, JX, ELYS, ELXS, RS, HT, AREAS	001523
	P, IVC.C	031525
	XSZ=#GL(1,IX,ITYPE) +VC.JIS	001540
	YSS=VCL(2,IX,ITYPE) + VO.DIS	001560
	TYPES - WO DIS	001570
	IF (PRE) PRINT 500,1X, VCLUIS, XSZ, XSI, FSZ, FSI FORMAT(1X, IA. 1X, EE12. A)	801574
100 11 00 12/21	XS1 .OR. E.XS .GT. XS2) 6070 30	901580
C COMPARE-INSERT	NDEX INTO	001591
IONPRS=ICHPRS+1	5+1	001595
IFIICHPRS .LE	IFIICHPRS .LE. ICHPRISCOTO 381	001599
ICHPRS-ICHPRX		189160
33.1 CONTINUE		981583
KX2=2		001511
IX=ICMPRL(1)		001614
6073 15	W. H. Gold Hall	001615
4		2000
332 INEW=ICHPRICKXZ)	(XZ)	001618

1115	X2=VCL (1,INEW,ITVPE) V2=VCL (2,INEW,ITVPE)	801620
	COMPANY OF THE PROPERTY OF THE	
		276100
	IF(BIS2 .LT. DIS1) ICHPR-INEW	001624
-	KKZ-KKZ41	801625
	IFICHPRL (KX2) .EG. 0) 50T0 35	001626
	101 101 101 101 101 101 101 101 101 101	901627
	IN TREASED BRINE AND SHALL IN MCINTS, NELL NES, NELL NES	801529
125		901630
	WOLLS, INCLE, ITYAELELYS	081540
	VOLCT, IVCLS, ITWPE) = RS	08166
130	#CLIS, INCLS, ITYPE)=10AF	99168
	VO. (7, IVOLS, ITYPE) = IMP	001690
	VOL (9, IVCLS, ITYPE) = I SEC	001710
	VCL(18, IVCLS, ITYPE) = AREAS	881728
135	VOL (11, IVCLS, ITYPE) = EOL (1, JX)	991710
	IVCLS=IVCLS+1	901750
	C CHECK FOR OMERFLOM OF MC.	001768
	IFIIVELS .LE. INCLMX) GOTO 40	001770
***		001780
	I VCLS= I VCLAX	001790
		001810
165		901820
	IF (PAT) PAINT 460.IX. M. HI. AREAS	001822
	450 FORMAT(IX, "UPDATE WOL", IX, IX, "WITH ECL.", IX, I4	901824
	V2. (3, IX, ITVPE) = RS	42414
150	TELABEAS .LE. MCLIT, IX, ITMBELL GOTO AB	001840
	VOL (4, IX, ITVPE) = HT	001850
-		091860
	49 CONTINUE	901670
155	T 320,N, IVC. S,	
	C AFTER COMPARING ALL NEW GLEV. CELLS MOVE UP SEGMENT END PAIR	7
	17000=1700S-1	001910
	6010 198	801928
151	C PROCESS VOL TRACK BEFORE PROCESSING NEW ELEVATION CELLS	881930
	+5 INCSON=INCSON+1	001940
-	1	881858
	C CREATE VOL LIST HEAD TARLE	001960
165	IF(IVCLC .LE. IHDMX) GOTO 48	001980
	PAINT 330, INDMX	881830
	330 FORMAT(2x,*IVCLC .GT.*,2x,15)	002000
	43 00 47 IX=1: IVCLG1	042020

	IF(IMECS .LE. IMPMX)GOTO 52	002050
34.0		002070
0	HOVE DA VOL CELL SEGMENT POINTER (BEGINNING)	002890
	IFFREST PRINT 350, IHVOLS, (IHVOL(IX), IX=1, IHVOLS)	002110
	60 TO 15	002130
20	THOUNETHUCKS-1	002150
	DO SO JESTECLE, INC.C	002150
	00 35 IX=1,IHVCLM	802180
0	POINTER TO VOL. CELL	982190
	YS=WCL(14, IXCEL, IIYPE) YS=WCL(2, IXCEL, IIYPE)	002210
-	VOLDIS-SORTIVOLITA, INC. LIMBELLANDE	802230
	732-75-1013 732-75-401315	002260
	Y51=VS-VCL0IS	005250
		802260
	XS3=VCL(f, JX, ITYPE)	002270
	8. x53 .61. x52	002290
-	JELYS3 .LT. YS1 .QR. YS1 .GT. YS21 G010 55	002310
3	5000	802320
.,	NEW HEAD VOL. CELL	002330
	THICH CLANCES IT IX	802340
	IMPLS=IHVOLS+1	802350
-	DOTAL MAR. LECEN	002370
	TACE SETABLE	002380
350		002390
0	TRACK ASSOCIATED-LINK CELLS	882410
5.1	LINK=[MICL(IX)	002420
	VOL (13, JX, ITYPE) = LINK	002430
69	CONTINUE	002450
	IVCLP=IVCLC+1	002470
	ELANGP-ELANG	002620
:	IF(P23) PRINT 370 , IVOLS, IMVOLS, (IMVOL(IX), IX=1, IMVOL()	982500
300	1	002510
370	1	002530
	100000	002540

SURRCUTINE DRM	NE DRM	74/74 097=1	FTN 4.54426	04/28/78 12-58-52	12.50.5
		SUBACUTINE PRIM		002560	1 1
		COMMON /FLESY ITTPE, PRI, PRZ, PRZ, PAK, ISTOP		002580	1
9		NAMELIS /PARAM/ PRI, PRZ, PR3, PR4, INEV1, IDEV2, ISTOP	DEV2, ISTOP	002600	
	100	-	, IDEV2, I < TOP+)	002620	
		I FEET (5) 15,3		002650	
	. :	6010 20 03111 40		002670	
	==	FORMET (1X, FEOF ON UNIT 5+)		002690	
				002710	

SYSTOMMENTS. 14574	30 AM	1040					-		
EXTRAD	14 14 1 OF	HE LOAD	2270	111					
AN AND BLOCK ASSIGNMENTS. AND ALORESS LENGTH FILE DATE PROUSSK VEK LETEL HANDMAKE 1575 14506 LGC 05/04/78 FTM 4.6 428 6668 I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FRINSFER	DORESS	EXTRAG	16574					
115 14506 LGO D5/04/78 FTM 4.6 428 666K	PROCERH AN	ID BLOCK A	SSTONNENT						
177 1456	SLOCK	KOURESS	LENGTH	FILE	1	K VER LEVEL	HARDMARE	CUMPERIS	
1772 720 120 120 120 120 120 130	/PARH/	111	99						
14703 724 23647 5000 23647 5000 23647 5000 23712 5572 15 23713 15 10 10 10 10 10 10 10 10 10 10 10 10 10	EXTRAD	175	14506	097	05/04/78 FTM	4.6 428	1 x999	0PT=2	
1987 1988	TASUB/	16703	724						
23567 13 23567 10 23707 15 23707 15 23707 15 23708 10 23709	1000	13/41	631						
23572 13 23773 15 23774 10 23775 11 23775 12 23774 22173 11 23775 13 23774 22173 12 23774 22173 12 23774 22173 12 23774 22173 12 23775 10 23775 10 23775 10 23777 27 2377 27 2377 27 2377 27 2377 27 2377 27 2377	VALMA X/	23647	13						
23707 5 23707 5 23707 5 23715 1 23715 1 23715 1 23715 1 23741 3413 23741 3413 23741 3413 23742 1 23741 3413 23742 1 23743 3 23744 3413 23744 3413 2410014 6 24051 250	ADATA/	23982	1.0		The second secon				
23727 10 23724 10 23724 10 23744 3413 51527 31670 13 103425 30212 13 103425 30212 13 103425 30212 13 16736 12 16736 1350 160 05704/78 FTM 4.6 428 666X 1 16736 1350 160 05704/78 FTM 4.6 428 666X 1 16736 1350 160 05704/78 FTM 4.6 428 666X 1 16731 2550 160 05704/78 FTM 4.6 428 666X 1 16731 135 160 05704/78 FTM 4.6 428 666X 1 17222 1331 160 05704/78 FTM 4.6 428 666X 1 210125 1034 160 05704/78 FTM 4.6 428 666X 1 210125 1034 160 05704/78 FTM 4.6 428 666X 1 210125 1034 160 05704/78 FTM 4.6 428 666X 1 210127 133 186 05704/78 FTM 4.6 428 666X 1 210127 133 180 05704/78 FTM 4.6 428 666X 1 210177 133 180 05704/78 FTM 4.6 428 666X 1 211107 180 180 180 180 180 180 180 180 180 180	HEAD	23672	15						
23724 10 23724 10 23724 10 23724 11 23735 11 23735 11 23744 22150 11 23744 22150 11 23744 22150 11 23744 22150 11 23745 11 23744 22150 11 23745 11 23744 22150 11 23745 11 23744 22150 11 2374 22150 11 23745 11 23744 22150 11 2375 1	LINGHY	23707	4						
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23734 1 23734 1 23741 1 23741 1 23741 1 23741 1 23741 3412 103425 10212 103425 10212 103425 10212 103425 10212 103425 10212 103531 2650 165357 172 165357 172 165357 172 165357 172 165357 172 165357 172 165357 172 165357 172 165357 172 165357 172 165357 173 173 173 173 173 173 173 173 173 173	EXPAN	23724	10						
23725 23740 23741 23744 22150 46114 46114 3413 51527 31675 31676 31367 31676 31767 3	ERROR /	23734	1	And in contrast of the last of	and the same in the same and th				
23744 22153	FILTER	23735	•						
23741 3413 4413 4413 4413 4413 4414 4414	VELPEH/	23740	1						
\$15.57 1336.75 155.56 155.56 155.56 155.56 155.56 155.56 155.56 155.56 155.56 155.56 155.56 155.56 155.57 155.57 156.56 156.5	QUANTX/	23741	-						
515.27 316.76 13.62 10.02 0.5/04/78 FTM 4.6 428 6568 I 16.78	7000	******	24.13						
103425 30212 103425 102 05704/78 FTM	VIADES TOPE	51577	31.676	-		The state of the s	-	-	
15355 1272 16356 1272 16456 1272 16456 1272 16457 172 16457 172 16457 172 16457 172 16457 172 16457 172 16457 172 16457 172 16457 172 16750 172 16750 172 172 172 173 173 173 173 173 173 173 173 173 173	PYSTOPE	103425	30212						
165565 1272 165567 177 164511 164511 164511 164511 164511 164511 164511 165701 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 167301 172221 17332 1600 1600 1600 1600 1600 1600 1600 160	13aQLSSa	133637	92592						
163557 172 16451 2550	REFL/	162365	1212					-	
16451 450 LGO B5/04/78 FTM 4.6 428 656X 1 64531 2550 LGO B5/04/78 FTM 4.6 428 656X 1 67306 1356 LGO B5/04/78 FTM 4.6 428 656X 1 17222 1330 LGO B5/04/78 FTM 4.6 428 656X 1 17222 1330 LGO B5/04/78 FTM 4.6 428 656X 1 17032 LGO B5/04/78 FTM 4.6 428 656X 1 17032 LGO B5/04/78 FTM 4.6 428 656X 1 17032 LGO B5/04/78 FTM 4.6 428 656X 1	CKUAT.	163657	177	31	H11 61/40/CD	634 0 **	7 7000	3-140	
164531 2550 160 05704/78 FTM 4.6 428 666X 167301 157301 155 160 05704/78 FTM 4.6 428 666X 170444 1555 160 05704/78 FTM 4.6 428 666X 170521 11303 160 05704/78 FTM 4.6 428 666X 170521 120022 103 100 05704/78 FTM 4.6 428 666X 170521 100 100 05704/78 FTM 4.6 428 666X 170521 100 05704/78 FTM 4.6 428 666X 170521 100 05704/78 FTM 4.6 428 666X 170521	HATAN	161491	195	160	85/06/78 FTH	824 9.4	1 X959	2=140	
167301 5	VEL/	164531	2550						
170444 1555 LGO 0570478 FTN 4.6 429 656X I 170244 1555 LGO 05704778 FTN 4.6 429 665X I 170221 1303 LGO 05704778 FTN 4.6 428 666X I 210014 6 6 6 6 6 6 6 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 6 6 6 7 6 6 7 6 6 7 6 6 7 6 7 6 7 8 6 7 8 6 7 7 8 7 8	1221	167301	5						
170444 1555 LGO	XTRAT	167306	1136	097	05/04/78 FTN	4.6 428	1 X999	0PT=2	
203524 420 LGO 05/04/76 FTM 4.5 428 566X I 21014 6 6 6 6 6 6 7 1 210152 103 LGO 05/04/76 FTM 4.5 428 666X I 210153 103 LGO 05/04/76 FTM 4.5 428 666X I 210153 103 LGO 05/04/76 FTM 4.6 428 666X I 210151 362 LGO 05/04/76 FTM 4.6 428 666X I 210573 31 362 LGO 05/04/76 FTM 4.6 428 666X I 210573 31 0L-ERILIB 02/16/76 FTM 4.6 428 666X I 210572 10 UL-ERILIB 02/16/76 FTM 4.6 428 666X I 211152 25 UL-ERILIB 02/16/76 FTM 4.6 428 666X I 211154 13 02/16/78 FTM 4.6 428 666X I 211155 23	ZdHO	555643	1555	150	05/06/78 FTN	825 9.5	1 1999	2=140	
210024 4270 LGO 05704/76 FTM 4.6 428 666X I 210022 103 LGO 05704/78 FTM 4.6 428 666X I 210025 104 LGO 05704/78 FTM 4.6 428 666X I 210023 104 LGO 05704/78 FTM 4.6 428 666X I 210023 104 LGO 05704/78 FTM 4.6 428 666X I 210025 44 UL-ERILIB 02716/78 FTM 4.6 428 666X I 21072 40 LERILIB 02716/78 FTM 4.6 428 666X I 211072 25 UL-ERILIB 02716/78 FTM 4.6 428 666X I 21105 25 UL-ERILIB 02716/78 FTM 4.6 428 666X I	ONTOR	172221	11303	750	05/04//6 FIN	974 9.4	1 1999	2-140	
210125 103 LGO 05/C4/78 FTH 4.5 428 666X I 210125 104 LGO 05/C4/76 FTH 4.6 428 666X I 210121 50 LGO 05/C4/76 FTH 4.6 428 666X I 21031 56 LGO 05/C4/76 FTH 4.6 428 666X I 210573 33 UL-ERILIS 02/16/78 FTH 4.6 428 666X I 21077 10 UL-ERILIS 02/16/78 FTH 4.6 428 666X I 211072 125 UL-ERILIS 02/16/78 FTH 4.6 428 666X I 211072 125 UL-ERILIS 02/16/78 FTH 4.6 428 666X I 211073 133	CATA	203524	4270	200	M14 9//40/40	974 9.4	7 7999	2-140	
210022 103 104 100 05/04/76 FTN 4.6 426 666X I 210231 362 100 05/04/76 FTN 4.6 426 666X I 210311 362 100 05/04/76 FTN 4.6 428 666X I 21072 24 01-6RTL18 02/16/78 FTN 4.6 428 666X I 21102 25 01-6RTL18 02/16/78 FTN 4.6 428 666X I 21102 25 01-6RTL18 02/16/78 FTN 4.6 428 666X I 21103 11155 13 01-6RTL18 02/16/78 FTN 4.6 428 666X I 21103 11155 13 01-6RTL18 02/16/78 FTN 4.6 428 666X I 211154 13 02/16/78 FTN 4.6 428 666X I 211154 13 02/16/78 FTN 4.6 428 666X I 211155 13 01/1155 14 01/1155	MSK VAL	210012		200	1100 000	1000	4 6777	45450	
210129 104 120 05704776 FTM 4.5 428 555X 1 1 1 1 1 1 1 1 1	*40	270012	103	200	02/04/13 114	626.	7 7000	2000	
210231 60 LGO 05/04/76 FTN 4.6 428 666X I 210311 362 LGO 05/04/76 FTN 4.6 428 666X I 210726 44 UL-ERTLIB 02/16/78 FTN 4.6 428 666X I 211072 25 UL-ERTLIB 02/16/78 FTN 4.6 428 666X I 211072 125 UL-ERTLIB 02/16/78 FTN 4.6 428 666X I 211154 1 02/16/78 FTN 4.6 428 666X I 211154 1 133	×	210125	104	100	05/04//6 FIN	4.6 428	1 1999	22140	
210311 362 LG0 U57U6778 FTM 4.6 429 656X I 210726 44 UL-ERTLIB 02716778 FTM 4.6 429 656X I 210726 44 UL-ERTLIB 02716778 FTM 4.6 429 656X I 211072 10 UL-ERTLIB 02716778 FTM 4.6 429 656X I 211072 125 UL-ERTLIB 02716778 FTM 4.6 429 656X I 211154 1 UERTLIB 02716778 FTM 4.6 429 656X I 211154 1 ULERTLIB 02716778 FTM 4.6 429 656X I 211154 1 ULERTLIB 02716778 FTM 4.6 429 656X I	SHE	211231	90	33	05/04//6 FIN		1 1999	25140	
210573 33 01—267113 02715/79 FTM 4.6 423 656X I 211772 10 U1—67113 02715/79 FTM 4.6 423 656X I 211002 25 U1—67113 02715/79 FTM 4.6 429 656X I 211034 13 02715/78 FTM 4.6 429 656X I 211154 1 0—67113 02715/78 FTM 4.6 429 656X I 211154 13 02715/78 FTM 4.6 429 656X I	ZNA	210311	295	100	05/04/18 718		1 Y999	22110	
Z10726 44 01-EKTLIB 02716776 FTM 4.6 426 656X I Z11072 25 01-EKTLIB 02716778 FTM 4.6 428 656X I Z11027 125 01-EKTLIB 02716778 FTM 4.6 428 656X I Z11154 1 02716778 FTM 4.6 428 656X I Z11155 23 211250 133	AGE	210573		חר-באורום	WI 4 8/191/20	674 6.4	1 7966	12100	
211072 10 UL-ERILIB 02716/78 FTM 4.6 428 656X I 211052 25 UL-ERILIB 02716/78 FTM 4.6 428 656X I 211154 1 UL-ERILIB 02716/78 FTM 4.6 428 656X I 211155 23 211250 133	Z WES	21017	*	חר-בצורום	101/01/20	03.0.	7 7000	12.100	
21154 13 ULERTIS 02/16/78 FTH 4.6 428 666X I 211154 1	****	211112	10	UL-EXILIB	02/15/16 FIN	2000	1 4999	12100	
211154 1 211155 23 211159 133	200	200112	26.4	III -FOTT TR	62/46/7R FTH	4.6.678	5667	UPI EI	
211155 23 21120 133	VOH ST GILL			מביבעורים					
211200 133	1.50	1	23		and the second s	-			
	1.01.								

BLOCK	ADDRESS	LENGTH	FILE	JATE	PROSSSR VER LEVEL	VER	LEVEL	HARDWARE	COMMENTS
BUFIN=	211333	94	SL-FORTAN	03/12/77	COMPASS		3-4-8		BUFFERED INPUT PROCESSOR.
FECHSK=	211401	41	SL-FORTRAN	08/12/// COMPASS	COMPASS		3-458		- 4
= 1001=	211442	311	SL-FURIKAN	08/12/1/	COMPANY	;	3-4-5		COMMON PLUMITAGE COLPGE CODE
- CHOKOL	61112	500	SL-1081884	05/16///	COMPASS	:	3-450		FORTKAN UBJECT LIBRARY UTILITIES.
I WCOM =	217226	9/2	SI-TONIAN PAR	00/15/17	STATE OF CHANGE		3-4-6		COURSE INFO CORRECTION COURSE
TANCE	613030	100	ST. TOKIKAN	02/15/1			3-45		TORNALIED READ TORINAN RECORD.
MANOUT	2117234	426	ST. FOOTOR	254 4HO2 11/21/80	STATE OF STA		974-5		MANET TOT CHIEFLY BOHITME
- 100	21.013	-	1001-10	201161	200	- 1	034-6	-	MARKETSI COLLO ROCITAE.
100.301.	214615	202	SI -ENOTORN	04412177	SON ONO	~	1-1.28		COCCAS MECTOR STEEL VOLVE
GITTER	714541	156	SI -FORTZEN	08/12/77	COMPASS	:	3-678		COMMON GUIPUT CODE
SENINGE	215014	37	SL-FORTRAN	08/12/77	COMPASS		3-428		POSITION FILE AT BEGINNING-OF-INFORMATION.
UNIT	215153	20	SL-FORTZAN	11/2/17	COMPASS	3	3-678		STATUS OF BUFFER I/C FILE.
CLOCK=	215123	31	SL-FORTRAN	08/12/17	COMP ASS		3-428		ACCESS SYSTEM CLOCKS FOR FORTRAM.
501057=	215154	14	SL-FORTRAN	11/21/11	CUMPASS	3	3-478		COMPUTED GO TO ERROR PROCESSOR.
41.05	215170	7.3	SL-FORTRAN	05/12/77	COMPASS		3-428		COMPUTE COMMON AND NATURAL LOGARITHMS. OPT=ALL.
EXP	215263	75	SL-FORTRAN	11/21/10	COMPASS	3.	3-4-8		EXPONENTIAL FUNCTION. E TO POWER X. OPTERLL.
ITOJ=	215360	16	SL-FORTRAN	08/12/77	COMP ASS		3-428		INTEGER TO INTEGER EXPONENTIATION.
SINCOS	215376	99	SL-FORTPAN	08/12/77	COMP ASS	3.	3-428		TRIGONOMETRIC SINE OR COSINE OF X. OPT-ALL.
SYSAID=	215464	1	SL-FORTRAN	03/12/77	COMPASS	3.	3-428		LINK BETWEEN SYS-AID AND INITIALIZATION CODE.
#UFICE	215465	521	SL-FORTRAN	1112111	CUMPASS	3:	3-4-5	-	COMMON SET-UP ROUTINE FOR BUFINE / BUFOUTE
=01H00	215512	99	SL-FORTRAN	08/12/77	COMPASS	3.	3-428		COMMON CODED I/O ROUTINES AND CONSTANTS.
E0F	215575	16	SL-FORTRAN	08/12/77	COMP ASS		3-428		TEST FOR END OF FILE STATUS.
FLTINE	215714	154	SL-FORTRAN	08/12/77	COMP ASS		3-426		COMMON FLOATING INPUT CONVERTER.
= 47183	216970	352	SL-FORTRAN	03/12/77	COMPASS	3.	3-426		CRACK APLIST AND FURNAT FOR KODER/KRAKER.
FOPUTL=	216442	16	SL-FORTRAN	08/12/77	COMPASS		3-428		FCL MISC. UTILITIES.
ELL ITE	215450	25	SL-FURTORK	11/21/80	CUMPASS	1	3-428		LOCATE AN FIT GIVEN A FILE NAME.
KK AKER =	216522	904	SL-FORTRAN	08/12/77	COMPASS	*	3-428		PROCESS FORMATTED FORTRAN INPUT.
WAMIN=	217130	523	SL-FORTRAN	08/12/77	COMPASS	3,	3-428		NAMELIST INPUT ROUTINE.
0UTC=	217653	172	SL-FORTRAN	08/12/77	COMP ASS	3	3-428		FORMATTED MRITE FORTRAN RECORD.
SURT	550022	43	SL-FORTRAN	11/21/17	COMPASS	3.	3-4-5		COMPUTE THE SQUARE ROOT OF X. OPT=ALL.
SYS=1ST	220110	62	SL-FORTRAN	06/12/77	COMP ASS		3-450		MATH LIBRARY LINK TO ERROR MESSAGE PROCESSOR.
XIO.X	271022	1	SL-FOFTRAN	11121120	CUMPASS	3.	3-478		REAL TO HEAL EXPONENTIATION.
SBF.50	220201	2	SL-SYSIO	09/03/76	COMPASS		2-414		
/CON.RM/	22222	9							
CIO.PH	220211	0 5	SL-SYSIO	09/03/76 COMPASS	COMPASS	3,	2-414		
/AGB. FH/	152022	10				ı	ŀ		
HOVE.RH	220261	49	SL-SYSIO	03/03/76 COMPASS	COMPASS	3.	2-414		
MCT . RM	535022	233	SI-57510	03/03//6	COMP ASS	3:	111-2	1	
CHEK. P.	223600	107	SL-57510	09/03/76		3.	2-414		
DSUB.RH	220707	7.1	SL-SYSTO	03/03/76	COMPASS	3.	2-414	1	
/Hd.SGHL/	221000	111							
/05.4.340/	221011	1							
05.N300	221020	524	SL-57510	09/03/76 COMPASS	COMPASS		3. 2-414		
08.X340	722122	14	ST-SYSTO	03/03/76 COMPASS	COMPASS		3. 2-414		
/PUT.21/	221310	11							
HG.0374	221321	25	St-SYSTO	09/03/76 COMPASS	CO MP 455		3. 2-414		
/CT3E.F3/	221363	1							
CLSF.50	221372	134	SL-SYSIO	09/03/76 COMPASS	COMPASS		3. 2-414		
/CLSV.FD/	221526	1	The second second second second						
05.4513	221535	137	SL-57515	09/03/76 COMPASS	COMPASS		3. 2-414		
/KEN.FO/	2215/4	-				,			
7150 K DAY	221/03		21-24210	09/03/76 CUMPASS	0047000	:	3. 2-414		
1000000	201130				-	1	-		
201 4	111111								

SL-SYSID 03/03/76 COMPASS 3. 2-414
101 SL-SYSIO 09/03/76
SL-SYSTO
SL-SYSIO 09/03/76 COMPASS 3. 2-414
SE-SYSIO UGIUSTIE COMPASS
SL-SYSIG 69/03/76 COMPASS
237 SL-SYSIO 09/03/76 COMPASS 3. 2-414
SL-57510 09703/76 COMPASS 3. 2-414
SL-SYSID 03/03/76 COMPASS
SL-SYSIO
ST-SYSIO
_
SL-SYSID 03/03/76 CUMPASS
SL-SYSIO 09/03/76 COMP ASS
SL-MUCLEUS 04/15/77

129 TABLE MOVES

2437033 SH STORAGE USED

1.348 CP SECONDS

29	PROGRAM	EXTRAD	VERSION	2.0	(105081)	15/11/18	PAGE 1
-	 	·				**********	***********

SINPUT	
PRINT: = F.	
PRINT2 = F,	
PRINTS = F.	
COPLOT = T,	
ICODES = -32940614417338485G, 30881826016254829, 48896224525736413,	66910623035218797, 84925021544700781, 1029394 2005 4182765
	174997014092110701, 193011412601592665,
211025511111074565, 22904020952055655, 247054608130035637, 30100780356468658, 3191226600677446557,	255140999186930541, 283983409149002605, 355140999186930541, 373155397696412525,
1	\$53299382741282855 5711137813007143495
-	-509550129268204690, -491535730758722706,
A1 : .443E +UU.	1
9I : .56E+101.	1
A2 = .86E+00.	1
92 = .186£+UZ,	1
CONTR. = 1.	
CONTRY = 1,	
CUNINS = 1;	
WILE FU,	
HUMF = 30;	
AC = 10/76555E+U3, .19/6/838E+U1, 94297525E-U1, .18226318E-U3,	
CALM = .332E PUJ,	
CALB =983E+12;	
xcol = .1E+VZ,	
CK = .1E+9Z,	
ZHXX = 0.0.	
VARX = 0.0.	
NREC = 1,	
* 99999 *	
IRUN = U,	
INC = 0,	
44 24 24	

HVEL . . 542E-01, . .121E+01. · IBBBBBB. *28+31 : INTO estan . . ise. ii. SCALE = . IE+BI. . 14E+ 01. DEL! : .5E+11, STOPE = . 15E+ 03. QUANT : .1E+01. KEAM : . 12+01. . . IE . I. QUANT = . 6E+81, STARTE = .2E+32. . . 46.63. : . BE+ 11, . 1.1, = 0.0. TOW = 0.0. INPRF = 794. .0.0. STREET S G. B. POLITE . I. HIN : 5.5. : 35, 158 8 34 10V = 5, 10000 : 6. = 3,

VESTIGNATION OF THE PROPERTY O	1 1D1 1A1 101111 1 1 1 1 1 1 1 1 1 1 1 1 1 1
EXTRAD	
PROGRAM EXTRAD	
- 11	Exec
162	EXEC

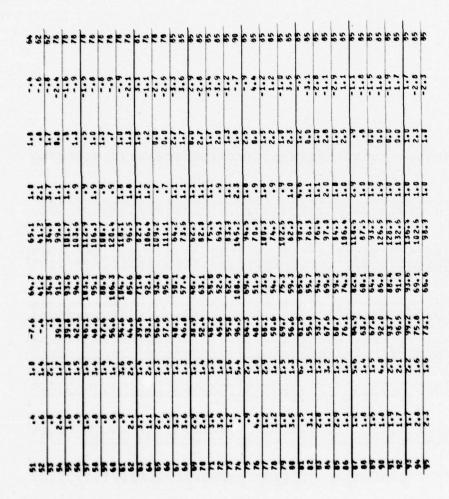
The court of the control of the co	FIXED CONTOUS	ATTRIBUTES	5								
1935 11 1 1 1 1 1 1 1 1	****	ELE	17241	AZEZ							
Control Cont	1933	1.2	118.2	110.0							
	o managena	1361	AVERAGE SECTOR	12424	POST I	1		PRECIP	PRECIP	CONTOR	
1989 25.0 1.5.0		Zeek	0.871	CKE	(KM)			TOWSTHEE	THR/HRS	REFERENCE	
1.0		1.27	26.1	12.6	-15.7	28.1	3.3	1.22	96.	1	
10		1.85	\$ 225	15.8	-19.3	1.12	1:0	21.9	95.2	2	
191 191		2.34	35.9	14.5	-10.1	63.9		10.40		-	
1.00 2.00	12	1.55	23.6	256.3	1.55.1	59.5	2.5	99.	44.	9 01	
14.0 34.1 34.1 34.2 34.1	67	3.37	2 16	2000	-25	85.7		27.3	69.	6	
1.00	200	4.30	36.0	1.8.1	-13.7	23.0	8.8	13.88	3.93	11	
1,	-		182	18.6	4.6	26.6	6.6	5.86	1.72	21-	
10.0 20.0	20	14.93	25.5	-132.1	-67.3	146.5	6.1	13.15		-13	
20 9.14 34.0 -35.1 -10.1 36.6 13.6 <td< td=""><td>1</td><td>89.9</td><td>23.6</td><td>-36.7</td><td>-5.3</td><td>\$6.3</td><td>8.0</td><td>30.6</td><td>1.69</td><td>92</td><td></td></td<>	1	89.9	23.6	-36.7	-5.3	\$6.3	8.0	30.6	1.69	92	
26 26<		8.14	34.0	-35.1	-10.3		3.5	26.21	3.22	19	
28 926.20 36.0 -127.6 -44.5 135.1 419.0 356.0 94.0 97.0 99.0	1	1.40	9.12	-64.5	-26.3			19.	**	12	
20 2.59 2.10 -17.0 -2.5 149.5 -9.23		326.28	36.0	-127.6	-44.5		19.8	3540.07	3.62	-16	
20 2.15 21.0 -14.18 -22.5 149.5 -9.4 20 25.3 2.5 -12.2 11.2 21.0 21.0 -12.1 12.1 21.0 2	1	58.3	31.6	-37.0	:		6.9	22.5	29.1	52	
20 25,32 25,41 -12,43 11,3 65,43 11,3 65,43 11,4		2.15	21.0	-147.8	-22.5			*6.	++.	-21	
26, 13 25, 11 132, 3 25, 11 23, 3 25, 11 21, 16, 10 31,	1	35.825	3.42	-67.3	11.3	~	35.8	259.34	61.	36	
20 297.13 41.1 25.4 22.1 33.7 7.21.0 45.2 13.7 7.21.0 45.2 13.7 7.21.0 43.2 13.0 20.0 2.20 2.20 2.20 34.2 12.0 34.2 13.0 34.0		25.33	25.1	-132.3	2.9		11.7	23.86	16.	31	
10.10 1.	1	397.33	41.7	+-52-	22.1	1	11:12	4351.85	11.35	36	
20 2.10 2.10 -54.5 11.7 55.6 5.3 7.04 20 2.10 2.10 -14.5 12.5 12.5 12.5 20 2.10 -14.5 2.10 -14.5 13.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 -14.5 20 2.10 -14.5 2.10 20 2.10 -14.5 2.10 20 2.10 -14.5 20 2.10 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 -14.5 20 2.10 20 2.10 -14.5 2		10.18	41.0	-33.3	9.0		9.91	94.26	3.34	35	
20 9.11 24.7 -182.7 24.5 115.6 5.3 7.00 20 2.27 -126.6 34.7 117.6 1.1 1.00 20 2.27 -126.6 34.7 117.6 1.1 1.00 20 2.27 -126.7 34.2 1.2 4.1 1.5 4.1 20 2.28 2.27 -126.7 34.3 1.42.6 1.3 6.1 6.2 1.1 6.1 6.2 1.1 6.1 6.2 1.1 6.1 6.2 1.1 6.2 1.1 6.2 1.1 6.2 1.1 6.2 1.1 6.2 1.1 6.2 1.1 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 1.2 6.2 6.2 6.2 1.2 6.	-	2.18	172	-54.5	111.7		5.5	16.	***	37	
20		9.11	24.7	-188.7	54.5	105.6	5.3	7.04	.11	38	
20	1	62.2	21.1	1.821-	31.3	9.261	::	1.00	**.	35	
20		2.50	21.0	-140.6	34.7	144.8	1:1	1.09	***	0,	
20	1	3.53	172	1.323-	34.2	1.621	1:	1.55	34.	14	
20		3.42	22.7	-136.6	40.1	145.4		5.44	.56	42	
20		2.88	1.92	-133.4	39.3	139.2	1.2	2.01	.72	4.3	
20		1.49	21.0	-63.8	26.3	6.99	1.3	59.	***	**	
20		1.15	37.6	9.32-	1.21	53.52	2.2	6:38	21.9	4.5	
20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20<		4.30	511.5	-114.1	6.96	149.5	1.8	2.03	14.	94-	
20	1	\$2.2	122	-83.2	73.5	1.111	2.1	1.15	25.	15	
20 4,19 2,10 -76,4 76,5 100,6 2,10 -10,6 100,6<		2.09	27.4	-51.3	51.4	72.6	1.8	2.61	1.25	24	
20	1	4.19	27.0	-76.4	76.3	106.9	5.2	1.84	44.	5	
20 31.27 22.6 58.9 166.7 13.0 22.54 20 5.42 -6.1 12.0 13.0 22.54 5.63 20 5.42 22.0 -6.3.2 75.3 98.0 5.4 5.63 20 5.43 22.0 -6.3.2 6.4 7.1 6.1 4.55 20 5.45 22.0 -6.1 36.1 36.3 145.3 5.63 20 1.56 22.0 -6.3 36.1 36.1 1.2 6.3 20 1.57 21.0 -7.2 4.9.1 36.1 1.2 4.0 6.1 20 1.56 23.0 -7.2 36.3 36.1 1.0 67 20 1.57 21.0 -2.4 36.1 36.1 1.0 67 20 1.56 23.4 -16.2 36.1 1.0 67 20 1.57 2.1 3.2 1.3 3.4 4.0 <		4.28	21.0	-84.1	123.3	149.0	1.8	1.88	***	-51	
28 31.27 24.2 -75.1 126.8 146.7 13.0 22.54 20 5.94 22.0 -69.1 26.3 101.5 5.4 5.5 20 116.95 22.0 -69.1 26.1 101.5 5.4 5.5 20 116.95 22.0 -69.6 24.1 27.2 1.3 1.31.0 22.54 20 116.95 22.0 -69.6 24.1 27.2 1.3 1.31.0 2.55 20 34.69 32.4 -27.4 70.7 77.6 28.0 88.01 2.2 20 11.52 21.6 -24.3 92.3 93.1 123.5 84.01 2.2 20 11.52 21.7 -91.0 62.3 93.1 123.5 84.01 2.5 20 12.52 22.4 -15.2 93.8 94.4 5.8 5.7 6.2 20 13.97 21.6 -3.3 23.7 51.6 2.7 51.6 2.9 1.9 7.03 20 13.97 21.6 -3.3 23.2 1.9 7.03 20 13.97 21.6 -3.3 22.2 1.9 7.03 20 13.97 21.6 -3.3 22.2 1.9 7.03 20 13.97 21.6 -3.3 22.3 21.6 2.7 5.8 2.9 1.9 7.03 20 20 20 20 20 20 20 20 20 20 20 20 20 2		1.04	0.42	9.28-	58.3	50.4		51.	21.	25	
20 9.05 22.0 -49.1 26.3 198.0 5.1 4.55 2.0 2.0 116.95 22.2 -49.1 26.3 191.0 5.1 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1		31.27	24.2	-75.1	156.1	1.69.1	13.0	22.54	.72	-53	
20 9.05 23.2 -49.1 26.8 101.5 5.4 5.63 2.63 2.63 2.63 2.63 2.63 2.63 2.63 2		3.34		-43.2	76.3	0.00	1.9	4.55	.51	**	
20 118.95 22.0 -45.6 84.4 956.1 1.1 55 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6		9.05		-49.1	88.8	101.5	5.4	5.63	.62	55	
20 118.95 29,7 -34,0 89,1 95,4 76,3 185,90 1. 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1.55		-45.8	34.4	46.1	1.1	. 16	.52	26	
20 34.65 21.5 -35.2 79.3 60.2 1.5 1.20 2.0 81.01 2. 2.0 34.05 2.0 81.01 2. 2.0 34.05 2.0 81.01 2. 2.0 34.05 2.0 81.01 2. 2.0 34.05 2.0 81.01 2. 2.0 34.05 2.		118.95	29.7	-34.8	1.69	95.4	16.3	185.96	1.56	15	
20		15.51	5112	-36.2	79.1	2.78	1.3	12.1	•	26	
20 1.53 21.6 -7.2 18.8 22.1 4.0 .66 20 1.52 21.0 -6.7 35.8 36.1 1.23.8 63.75 20 77.45 25.0 -6.7 35.8 36.1 123.8 63.75 20 1.30 21.5 -3.2 19.9 20.1 4.0 .62 20 1.30 21.5 -3.2 19.9 20.1 4.0 .62 20 1.30 21.5 -3.5 62.8 63.8 3.9 1.97 20 1.55 25.4 -14.5 69.3 91.0 3.9 1.97 20 1.55 25.5 -3.5 62.8 62.8 3.9 1.97 20 1.55 25.5 -3.5 62.8 8.0 1.45 2.75 1.00 20 20 20 20 20 20 20 20 20 20 20 20 20 2		34.69	32.4	-27.4	7.0.7	75.6	28.0	88.01	2.54	5.5	
20 1.52 21.6 -24.3 92.3 96.1 1.0 .67		1.33	21.8	-7.2	18.3	20.1	4.0	99.	.50	19-	
20 13.0 25.0 -6.7 36.8 36.3 123.5 3.4 5.5 5.6 5.6 5.5 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2 5.6 5.7 6.2	-	1.52	21.6	-24.3	92.3	96.1	1.0	19:	***	19	
20 14.5 21.5 -3.5 63.4 53.8 53.4 5.8 5.76 5.76 5.76 5.76 5.76 5.76 5.76 5.76		77.46	25.0	1.4.7	35.8		23.9	63.75	70:	29	
20 14.45 21.7 -9.1 62.3 63.4 13.9 7.03 20 8.95 22.4 -16.2 93.8 94.4 5.8 5.76 20 3.97 21.6 -3.3 62.7 62.8 3.9 1.97 20 1.55 29.5 -3.5 23.2 4.1 2.75 1.97	1	1.30	21.5	-3.5	13.5	1.87		30.		100	
20 5.97 22.6 -14.5 59.8 51.0 3.9 3.00 20 5.97 21.6 -3.3 62.7 62.8 5.9 3.07 20 5.97 29.5 -3 53.7 4.1 2.75 1.97		14.45	21.7	3.6.	65.3	*			33		
20 5.75 22.1 -14.5 69.3 91.0 5.9 5.2 20.2 2.0 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9 5.9	-	3.35	4.62	2.01.		200	2.0	2000	6	23	
20 1.55		5.75	22.1	7.7.7	63.5	91.0		10.0	200	29	
200	1	22	366		215	27.3		7.75	14.	199	
200			22.00			22.00		44.	0	7.0	

31.	7.3	776	81	16	82	21	83	**	98	46	18	96-	16-	66	1.6	101	1.8	18	116	118	35	36	36	1
16.	.75	25.	64.	***	.51	79.	**.	**	2.23	10.87	.52	1.64	1.46	11.72										
****	5.43	2.33	6.10	.76	56.5	149.88	64.	22.1	1315.98	12.1	2.37	1.83	125.63	18.53										
1.0	10.3	4.7	9.3	In	5.5	135.4	6.	1.9	413.8	3.1	1.9	5.3	35.6	6.3	6.2	1.6	1.8	13.2	1.0	6:	4.6	1186.7	65.3	5.71
6000	6.04	57.6	92.1	97.9	14.8	103.1	78.3	2.58	67.2	511.5	145.3	1.02	147.5	36.8	134.2	107.5	138.6	1.291	1.36.2	146.7	34.4	34.3	32.6	1778
13.3	39.0	54.7	71.3	98.1	64.3	31.6	54.3	1.17	63.7	1771	114.3	13.4	108.1	-6.3	-49.5	-36.3	-48.3	-45.4	-36.3	-36.1	6.9	28.4	28.5	61.1
3.5	12.2	17.3	39.7	38.3	37.2	1.63	64.8	1.25	56.65	17.7	88.8	11.63	100.4	36.1	-124.7	-101.3	-130.9	-154.5	-133.2	0.241-	-33.2	-27.5	-15.5	555.5
6.55	54.4	1.22	21.7	21.5	22.0	2.52	21.0	1.12	32.3	26.6	22.0	2.85	29.1	33.8	43.1	41.7	41.5	2:15	41.0	4 6.0	46.1	46.3	43.0	5.79
2.15	7.25	4.67	12.50	1.59	11.62	65.195	1.12	2.79	590.31	21.1	4.59	12.1	85.83	3.38	13.52	13.51	3.99	33.78	2.19	11.2	5.59	184.75	33.51	16.51
62	20	12	20	82	20	12	20	2.0	5.8	92	23	67	88	22	*	2.5	04		0,	11	0,		0,	24
25	23	36	55	36	25	28	65	20	61	29	63	9.0	69	99	-	2			2	0	1		6	

162	•	PROGRAM		EXTRAD				WERSION	2.0	WERSION 2.0 (788501)	05/04/78	PAGE
NI NO	DATA											
DAY	H	SS	ELE	AZM1	AZHZ							
922	1933	99	1.2	118.2	118.2							
HE IGH	T REFL	REFLECTIVITY	REFLE	REFLECTIVITY	AVERAGE AVERAGE VELOCITY	VERAGE	VELOCITY	136				
CKHI		1280	1087	12.0HX	THISECT O	HISECI	(4/SECTION Z)					
-		22.0		67.3	0.0		112.4	44409E-15				
-		1.72		0.6026	12.6	-11.1	61.3	.576976688				
~		35.0	61	671179.4	5.1	-10.1	61.0	.39223E+01				
		31.0	2	2.519615	-38.6	\$ -97	16.6	18-368612				
2		23.4	~	21613.5	-5.1	-8.5	6.69	. 805015+01				
-			-	-			-					

The color of the	273	PEAK DEFECTED CELL ATTRIBUTES		2000	-			Carlotte Contractor					
Colon Colo	1 32		ELE 1.7	116.2		2.1							
Color Colo				1	OCATION		4884	MERKSE	AVERAGE	TANGENTIAL	KVERKGE	FIXED	1
		REPLECTIVE.	-	1513	новтн	35MAS	RESOLUTION	SPREED	STERR	SHEAD	VEL OCITY	CONTOUR	
		17.5	1811			4.89.5	2.1	10.00	11/3/4/11	10000	-4.54	12 CALLES	
1.		44.0	6.3		-48.8	133.6	3.2	2.45	21	.26	-3.13	1.6	
11	L	51.15	4.5		6.14.	143.4	1.3	1.94	12.	-1.39	11.4.	11	
17.0 1.0		41.6	13.0		-36.8	1.07.7	1.4	1.60	32	60.	-3.46	16	
17.6 1.9 -25.1 -11.8 17.1 1.0	-	1.04	5.5	•	- 64.3	139.2	1.1	1.83		52.	-4.50	1.8	
1.		37.6	1.8	-35.1	-11.9	37.0	3.0	1.34	.14	0.03	3:	19	
1. 1. 1. 1. 1. 1. 1. 1.		6.8.0	5.3	-132.6	-35.6	137.3	3.7	20.2	. 58	15.	-1.78		
10		41.0	4.2	-145.4	-36.9	147.1	1.8	1.58	.16	64.	• 35	1.8	
11.5 15.0 15.12 15.0 15.0 1.92		21.18	5.5	-139.3	-34.5	143.5	2.5	1: 98	+5.	92.	14.		
25.0 2.1 13.5 1.		33.5	5.0	-143.2		146.2	2.1	26.	+9	65	- 5.35	14	
1. 1. 1. 1. 1. 1. 1. 1.		30.1	14.5	-129.4	·	131.5	9.9	1.81	10.	.13	- 3.17		
27.0 25.4 132.4 132.4 132.5		62.63	1.5	-154.5		134.5	1.0		1.92		0.00		
1.		32.1	1.2	-132.		152.5	1.2	.50	11.		-2.30	21	
Color		8.72	3.5	-1187.6		195.4	1.2	. 33	37	.50	16.5-	0	
10		51.5	1.95		14.5	9.69	31.7	1.20	-115	20	- 5.45	34	
1.	-	9.22	4.6			145.4		.75	20.	.55	-1.15	24	
1.5		24.1	2.5			139.5	1.2	11.	0.30		16	**	
10		43.5	1.5	-35.6		20.0	5.5	2.23	-1.82	64.	-3.69	3.6	
1.7 2.1.2 2.5.6 34.5 1.1.4		B. 65	1.3	-34.6		37.7	3.2	*:	35.	*1	6.2-	36	
Second 1.7 -21.2 25.5 34.6 3.0 6.5	1	43.0	3.0	-67-	50.0	33.5	17.5	1.7	46.	-113	97.	0	
24.5			1.	2010		26.0					23.55	3.5	
24. 0 1.4 - 39.5 74.4 88.9 101.7 2.2 08 0.00 - 19 1 1.4		77.		-76.7	1	165.7	2.0		202	78	20.0	22	
24.0 1.4 -39.5 74.5 33.6 1.0 75 04 17 38.4 4.8 -3.0 1.6 33.6 3.1 4.21 04 17 25.5 2.4 4.8 3.1 1.21 04 17 25.5 2.4 4.8 3.1 1.01 04 17 25.5 2.4 4.8 3.3 1.9 7.5 16 04 17 25.5 2.4 4.8 3.6 3.9 3.9 3.9 16 10 1		24.5	2.7	1.69-		101.7	2.2		0.00	61	-9.73		
46.0 1.6 -12.3 30.6 31.0 31.0 75 -64.0 33.4 4.6 -22.0 76.5 31.0 31.0 1.2 -64.0 -64.0 31.0 -67.0 <t< td=""><td>1</td><td>76.5</td><td>7.1</td><td>-13.5</td><td>1</td><td>33.5</td><td>1.3</td><td>19.</td><td>2.83</td><td>74</td><td>- 9.80</td><td>25</td><td></td></t<>	1	76.5	7.1	-13.5	1	33.5	1.3	19.	2.83	74	- 9.80	25	
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25.5 2.4 -5.7 32.1 33.3 1.9 1.016304 27 27 26 29.5 25.5 2.4 21 21 27 27 20 25 25 25 26 25 25 26 25 26 25	1	3.6.8	1	-78.	1	75.3	1.5	10.	118	27.	-11.75		
25.5		33.4	4.9	-32.5		94.8	3.1	1.21	63	.0	-10.16	23	
25.5 2.4 -10.1 36.6 38.0 3.9 .75 -1.6 -1.6 .75 -1.6 -1.6 .75 -1.6 -1.6 .75 .75 -1.6 .75	L	5.62	1:1	-8.7		33.3	1.3	1.08	12	6.03	-11.63	36	
24.3 5.0 -16.3 93.0 34.4 3.9 -35 -16.5 -17.5 99.9 3.9 -3.9 -3.9 -3.5 -12.5		55.5	2.4	-10.1		38.0	3.9	.75	16	13	-12.13	36	
28.0 5.7 -14.5 89.8 99.9 3.9 .29525252 28.3 40.3 40.5 114.2 1.05 .05 .05 .05 .05 .05 .05 .05 .05 .05		26.3	5.1	-16.3		34.4	3.3	. 38	. 45	.93	-11.57	65	
25.3 6.3 4.4 -5.5 40.3 40.7 15.2 1.05 .05 .05 .05 .05 .05 .05 .05 .05 .05		22.0	5.7	-14.5		90.9	3.9	. 29	52	.12	-111.35	66	
25.9 6.8 -4.5 40.5 40.5 9.1 1.37 .0205 25.3 13.8 45.0 10.2 11.7 1.6513 25.5 13.8 45.0 10.2 11.7 1.7 1.6513 25.8 13.8 45.0 10.2 11.7 1.7 1.3512 21.9 12.5 22.4 54.7 97.0 111.4 12.3 1.2610 21.9 12.6 22.4 54.7 97.0 111.4 12.3 1.2610 21.9 12.1 53.7 70.5 6.9 1.6713 27.5 6.9 45.1 53.7 70.5 6.9 1.6713 25.5 25.6 5.9 45.1 53.7 70.5 6.9 1.6713 25.6 2.3 101.9 10.5 10.7 10.9 1.49 1.29 25.7 5 6.9 45.1 53.7 70.5 6.9 1.6713 25.7 5 6.9 45.1 53.7 70.5 6.9 1.6713 25.7 5 6.9 45.1 53.7 70.5 6.9 1.6713 25.7 5 6.9 6.5 10.7 10.8 10.9 1.09 25.7 5 6.9 6.5 10.7 10.8 10.9 1.09 25.7 5 6.9 10.7 10.8 10.9 10.9 1.09 25.8 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9		5.82	4.4	-5.6	1	411.7	14.2	1.05	.115		-12· H	29	
25.5 13.1 12.4 13.5 41.7 1.7 1.655513110 25.5 13.5 45.0 165.2 116.9 7.2 .651310 24.8 6.3 47.8 91.8 183.5 3.7 1.3512 25.8 22.4 54.7 97.8 182.5 1.3522 25.9 11.5 37.7 14.8 12.8 1.250401 27.9 11.6 37.7 56.4 74.5 9.5 1.13 37.0 11.6 7.7 56.4 74.5 6.9 1.67 37.0 11.6 7.7 56.4 74.5 6.9 1.67 37.0 16.7 16.8 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7		6.55	6.9	-4.5		4.0.5	9.1	1.37	- 92	05	-12.23	29	
25.5 13.8 45.0 106.2 116.9 7.2 .65 .13 00	-	28.9	1.1	13.4	39.5	41.7	1.1	1.65	15	-1.31	-15.13	7.3	
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77.0 1.1 48.7 56.4 74.5 .9 1.67 5.13 1.00 77.7 5.4 5 60.4 60.3 5.0 2.13 1.45 2.33 77.7 54.5 60.4 60.3 5.0 2.13 1.45 2.33 25.5 3.9 60.5 60.4 1.27 1.9 1.83 77.7 56.5 60.5 60.5 60.5 5.0 2.73 1.09		21.9	11.6	37.2	64.9	74.3	3.5	1.13	3.43	16	1.42	29	
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3.9 88.5 86.4 123.7 1.9 1.837430 6.3 71.8 68.5 98.9 3.9 2.79 1.09 .60		38.0	2.3	101.9	1.06.7	147.5	1.1	59.2	11	38	-11.70	25	
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Colored Colo		MASAT THOS		101	ATTON		4364	AVERAGE	AVERAGE	FIXED		
1.6 CANON CANON	1	SHEAR	1321	EAST	HORTH		RESOLUTION	N SPREAD	SHEAR	REFERENCE		
1.0	0	(H/S/KH)	(KH442)	(KH)	(10)		ELEMENT	S (H/S)	(H/S/KH)			
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2.7	0	3.5	1.6	-191.5	-37.7	108.2	6.	1.3	-2.6	16		
1.4	-	2.7	1.6	-105.6	-39.0	112.0		2.0	-2.7	16		
1.0		5.4	3.3	-107.2	-39.9	114.4		2.0	1	1.6		
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.9 4.02 -17.3 127.1 1.1 0.0 .9 .9 -66.1 3.4 66.2 3.7 1.1 .9 .9 .4 3.1 -69.2 5.4 69.4 2.7 1.4 .2 .4 3.1 -69.2 5.4 69.4 2.7 1.4 .2 .4 5.4 67.5 5.6 61.5 3.4 1.4 .2 .4 5.7 66.5 5.4 60.5 5.4 1.4 .2 .5 1.0 -57.3 18.0 56.2 1.1 1.4 .3 .9 1.0 -57.0 14.3 59.5 1.1 1.3 .3 .9 1.0 -57.0 14.3 59.5 1.1 .3 .3 .9 1.0 -57.0 14.3 59.5 1.1 .3 .4 .9 1.0 1.4 25.3 10.7 1.3 .3 .4 <td>9</td> <td>6.</td> <td>2.2</td> <td>-128.6</td> <td>-17.7</td> <td>129.8</td> <td></td> <td>0.0</td> <td>6.</td> <td>18</td> <td></td> <td></td>	9	6.	2.2	-128.6	-17.7	129.8		0.0	6.	18		
1.0	1	6.	2.2	1.621-	-11.3	1.721		0.0	6.	1.6		
1.0		••	4.0	-66.1	3.4	2.99	3.7	1.7	• 5	*		
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. 5 5.4 - 59.5 5.4 50.5 5.4 1.4 5 . 5 7.5 10.0 56.2 1.1 1.6 6 . 5 7.5 10.0 56.2 1.1 1.5 6 . 9 1.0 - 57.6 14.3 59.5 1.1 1.7 9 . 9 1.0 - 57.6 14.3 59.5 1.1 1.7 9 . 9 5.7 - 136.5 40.7 142.5 2.5 10.7 1.3 6 . 6 2.0 - 76.2 76.9 146.2 1.9 9 . 7.7 - 72.4 126.0 145.3 3.9 . 6 . 7.7 - 72.4 126.0 145.3 3.9 . 6 . 8 2.7 - 136.5 37.6 42.5 3.9 . 6 . 9 2.7 - 72.4 126.7 145.3 3.9 . 6 . 1.1 - 17.2 29.0 145.3 3.9 . 6 . 1.2 - 3.5 - 19.5 37.6 42.5 3.9 . 6 . 1.3 - 27.6 69.7 75.0 1.9 . 1.1 6 . 1.5 - 38.1 89.2 94.2 1.0 . 8 . 1.5 - 38.1 89.2 94.2 1.0 . 8 . 1.5 - 38.1 89.2 94.2 1.0 . 8 . 1.5 - 38.1 89.2 94.2 1.0 . 8 . 1.5 - 38.1 89.2 94.2 1.0 . 8 . 1.5 - 38.1 89.2 94.2 1.0 . 8 . 1.5 - 38.1 89.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 94.2 1.0 . 8 . 1.5 - 38.1 99.2 1.0 . 9 . 1.5 - 38.1 99.2 94.2 1.0 . 9 . 1.5 - 38.1 94.2 1.0 . 9 . 1.5 - 38.1 94.2 1.0 . 9 . 1.		*	201	2.69-	2.4	69.6	1.2	1:0	2.	2		
1.0	-		3.4	1.00-	2.4	6000	3.4	1.1	2	*		
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1.1 1.1 -17.2 19.0 1100.2 1.1 .36 1.1 1.1 -17.2 29.0 145.3 1.9 .4 -1.1 1.2 1.1 -17.2 29.0 145.3 3.3 .72 1.2 7.7 -72.4 126.0 145.3 3.3 .72 1.5 2.7 -19.5 37.6 42.3 3.9 .65 1.5 -19.5 37.6 42.3 3.9 .65 1.5 -19.5 37.6 42.3 3.9 .65 1.5 -19.5 37.6 42.3 3.9 .65 1.5 -19.5 37.6 42.3 3.9 .65 1.5 -19.5 37.6 42.3 3.9 .65 1.5 -19.5 37.6 42.3 3.9 1.16 1.5 -19.5 37.6 42.3 3.0 1.16 1.5 -19.5 37.		6.	2.7	-136.5	4.0.7	1.241	5.2	0.0	6.	24		
1.3 4.7 -72.5 12.7 146.3 1.9 .4 -1.1 2. 7.7 -72.4 126.0 145.3 3.3 .7 -1.2 3.5 -46.3 89.0 181.2 2.1 .5 -1.4 5. 7.4 -27.6 69.7 75.0 1.9 1.16 5. 7.4 -27.6 69.7 75.0 1.9 1.16 5. 1.6 -32.9 89.2 1.0 .85 6. 2.4 -27.6 89.7 75.0 1.9 1.1 .6 6. 2.4 -27.6 89.7 75.0 1.9 1.1 .6 6. 2.4 -27.6 89.7 75.0 1.9 1.0 .8 6. 2.4 -27.7 72.8 76.7 76.7 76.7 76.7 76.7 76.7 76.7 76	-	9.	2.0	2.9/-	16.9	108.2	1:1		9	64		
		: :	: :	-17.2	29.0	33.7		: :	2	2 %		
. 5 2.7 -19.5 37.6 42.3 3.9 .8545545		1	1.1	-12.4	126.0	165.3	8.3	1	-	23		
. 5 2.7 -19.5 37.6 42.3 5.9 .65 .6 .6 .7 75.0 1.9 1.16 .7 75.0 1.9 1.16 .7 75.0 1.9 1.16 .7 75.0 1.9 1.1 .85 1.58 1.55 7.8 1.5	1		3.5	-46.3	89.0	181.2	2.1			22		
.6 24 -27.6 69.7 75.9 1.9 1.1	4	5.	1.2	-19.5	37.6	42.3	3.9		5.5	38		
.7 1.6 -30.9 87.2 93.2 1.1 .8 .8 .5 1.5 -30.1 89.2 94.2 1.0 .8 .8	9	9.	2.4	9.12-	69.7	75.0	1.9	1.1	9	53		
8. 0.1 2.46 2.46 1.65 4.1 5.			1.6	-32.9	2.78	93.7	1:1	•	1.	25		
G-1 6-4 (-4) 8-2/ 1-52 6-1 2-		5.	1.5	-38.1	2.68	94.2	1.0	•	5	25		
				-113.7	100	1000		6.5	· ·	23		



VELOCITY SPEEAD MAXIMA ATTRIBUTES				2007	23	-		Statement control of the second secon			
AVO	NHHH	SS E1	373	AZM1		2424					
1			2.	118.		18.5					
1		1	1	Г	MOLITON	1	1351	- LINES			
2	18/81	(KHZ)	200		CENT	CON	EL SHENTS	SONIOUS			
	1.2	1.6			19.3	EM	0.4				
		2.5			-51.4	9.29	1.6	ro			
	1:3	2.5	1	L	2.99-	148.5	1:1				
5	2.2	1.9			6.15-	135.4	5.	22			
	1.5	6.5			-53.5	129.3	1.5	13			
	6.5	8.9			- 55.8	140.5	3.9	91			
	2.2	1.6	-103.5		-50.0	112.0	::	==			
11	1:3	1:1	-46-		-35.6	105.4	1:1	181			
11	2.8	9.3	-131.6		-51.1	141.2	•••				
2:	2.5	3.3			2.85	115.3	9.				
		1 2 3	2.30-	1	- 43.	171.0		200			
15	3.1	6.6			-42.1	140.1	2.9	1 2 2			
	5.5	11.0			- 34.5	107.4	10.01	1			
12	8.5	51.5	-136.8		-45.9	166.3	9.1				
	1.9	2.1			-10.7	36.4	3.0	61			
13	1.3		-139.1	- 1	36.5	164.5	1.09	10			
	2.5	19.2	-132.4		-30.7	135.9					
22	5.5	15.7	-141-		5.75-	144.5	6.9				
23	2.7	5.7	-138.2	'	-19.9	131.7	3.5	2			
32	1.9	1.3	-37.0		9.2-	37.1	3.1	92			
2	2.2	5.0	-133			153.2	5.9	11			
27		6.3	-150.6			130.7	1.2	22			
		1	-56.5	:		25.8	1	-			
			-103		26.9	196.9	3.2				
30	1.6	4.4	-74.8	1	19.3	11.2	3.8	3.6			
317		1.7	-124.0		35.1	126.9	••	1,			
2 !	6:1	3.7	-137		36.6	142.5	1.6	25			
2	100		20/6-		13.0		1:1	3.6			
32	1:1	1:1	-26.		12.6	29.5	2.2	. 53			
36	1.9	6.9	-33.6	9	17.1	37.7	11.2	35			
37	2.5	3.5	-30.6		50.5	37.0	5.6	28			
	2.1	2.2	-63.2		73.6	111.1	1.2	13			
53	1:1	7.7	-16.		13.1	107.	1.2	6,			
			-21.		25.7	5.27		2 2			
25	2.0	2.6	-16		26.6	31.0	2.2	36			
43	2.2	7.0	-76.		125.0	1.6.7	5.9	23			
**	1.6	3.0	-15.		35.4	53.8	5.5	35			
2	1.0	-	- 6 6 .		66.6	199.	1:1	55			
	•	• • • • • • • • • • • • • • • • • • • •			2.5	99.0	1.1	25			
63	2.0		1.25	1	77.6	29.0		28			
	1.2	2.5	-30	. 10	71:1	17.3	2.0	65			
6	1.8	1.1	-35.		6.59	95.8	2.0	15			
	1.1	1.5	- 31.	5	£2.6	99.9	2.5	25			

	794.0																																					
	PRF																																					
	HETERS		95	92	98	88	9.5	0.5	98	88	85	100	66	96	83	82	2	91	7.8	78	2	8	2.8	7.8	92	18	2	10	69	99	19	3	99	9 4	36	53	36	00
	937.2		1.0	1.0	3.9	6.2	6.3	1.0	1.9	2.3	9.6			6:1	6.	9.2	13.9	2.3	1.8	,	1.0		6.	3.2	1:1	6.		9.0	1.2	3.1	1.9	9.1	1		1.9	1.1	1.0	
	HIDIM		120.3	127.0	132.1	102.6	121.9	144.8	93.4	103.1	80.5	187.1	6.00	1.88	8.3	15.1	11.5	85.9	103.1	48.9	118.1	119.5	95.1	113.8	6.76	8.66	57.5	85.8	25.7	23.6	63.3	63.2	65.1	27.50	31.9	17.0	31.9	
	CELL		15	12	13	F	15	16	•	-		-			1	_	-	•	-			-	0.	=			u	7	2			•		. 0	,	-		,
-	,	2.8	0.05	58.7	92.3	1:1	1.98	1 04.7	60.3	77.0	62.0		200	71.0	2.49	65.1	2.86	72.2	91.0	0.80	166.0	10601	85.8	1.001	50.1	4.26	54.8	55.5	25.7	23.6	63.2	62.6	96.1	90.0	30.0	73.1	30.3	
1 1 1	OF RECORDS/RADIAL	62	35.2	90.9	9.46	13.4	1.58	100.0	57.6	68.5	51.2	48.	1.01	2.25	44.8	38.5	6.25	6.04	4.8.4	45.0	2001	6.84	36.6	44.5	36.3	37.6	17.7	2.8		*:	-3.4	-8.5	9.1.		-8.1	9.92-	6.6-	
-	0805/	15	3	0.	4.	5.0	5.5		9.	6.5	2.4	-				1.3	5.5	3.1	0.5		•		1.4	6.5	1.7	9.		-	-	1.2	0.	4.6			1.0	1:1	5.	
•	OF REC	101			•	7	12	-	-0		15	-					2	-,				ĺ	-	-	-					_							,	
	NO ON	=001	5.5	5.2	6.3	5.5	5.4	2.5	2.7	1.9	2.6	1		-	1.0	1.7	-	2.3	2.2		:		::	-:-	•	1.		1:3	2.0	1.7		1.3	1		1.7	1:1	1.6	
TOTAL 103=	103	TOTAL	91	9.0	68	88	20	98	85	36	83		:	61		11	9	25	7.6	73	=	2	69	90	10	63	2 5	2	29	61	60	65	28	22	55	26	53	

162		PROCERM		EXTRAO					VERSION	10N 2.0	2.0 (780501)	05/0478	PAGE
-										.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
FIX	ED CONTO	FIXED CONTOUR ATTRIBUTES	BUTES		-			-					
40	****		31	4241	4242								
922	1934	3.8 6.	1.9	160.1	111.0								
1				357 8467	07	CATTO	-	YEAT	TOTAL	AVERAGE			
	THRESHOLD		EA 8	EF LECT IVITY	EAST	NOKTH	KANGE A	ANGE RESOLUTION	PRECIP	PRECIP	CONTOR		
2	(280)	-	12.	(290)	(KH)		CKKI	ELEMENTS	(TONS/HE)	(MM/HK)			
-	50		.32	21.4	-31.0		23.€				-		
-	28		76.	21.0	-34.6		56.8						
-	5.0		.10	21.0	1.95-		51.1			The state of the s	•		
-	02		24.	63.0	8.52-		33.3	F					
2	20	31	69.	22.1	1.6		22.3				-11		
6	22	1	.16	21.5	-3.5		67.1				15		
-	20	12	15.	21.1	6.9-		4.19				15		
-	20	1	14.	21.5	-4.1		45.6				13		
6	20	11	.22	21.1	-1.9		64.0				14		
=	0.2	1.5	1	6.12	1.9		8.72				11		
11	20	1	.50	21.5	4.9		55.9				1.8		
23	20	2	.61	21.3	10.2		22.7				20		
13	20	11	.93	55.52	22.0		6.84				21		
14	20	2	61.	21.8	14.5		2.92				23		
15	20	111	.17	28.3	4.02		97.8				27		
10	0.2	02	.35	5.22	9.59		100.3				92		
11	20	341	.36	34.3	6.4.3		70.1				2.6		
1.8	0.2	-	500	21.0	25.2		30.5				33		
13	2.0	15	100	22.7	34.3		52.1				30		
20	20	2	.13	25.0	96.8		134.5				34		
21	20	67	87.00	56.6	73.3		108.0	49.5			32		
+	0.5	148	12:	4.8.1	0.12-		33.6				,		
2	0 4	11	.12	46.0	-16.9		33.2				7		
-	05	5	11.	45.6	41.0		64.8				32		

162	0	Cad	PARM	162 0 PROGRAM EXTRAD		1807	VERSTON	5.0	(10501)	VERSTON 2.0 (/A0501) 05/04/18	
MIND DATA	0474										
DAY	HHH	88	ELE	4241	42m2						
922	7261	3.8	1.5	166.1	111.0						
	-	TVERESE	1	TTAL	AVERAGE TOTAL AVERAGE AVERAGE VELOCITY	VELOCITY					
HE ICH	Tisc L	FETTVI	TA HEFLE	FULLIVITY	HEIGHT SEFLECTIVITY REFLECTIVITY U	VARIANCE	136				
(KA)	-	12801	(03	Z.KH**2)	(D3Z.KH**2) (H/SEC) (H/SEC) (
1		22.0		78.7	0.0 0.0	7.	68818t-15				
-	-	21.5	-	208.5	-2.7 -7.1	4.8	.767658-01				
		21.6		1151.1		. 3	355275-14				
-	-	-	-		n .u .	The same to be a second	- TESTTE-16				

29	Cad	PE35844	FRTFAD					43A	VERSION 2.0 (780501)	(780501)	05/04/74	PAGE	10
DE2	PEAK DETECTED CELL ATTRIBUTES	LL ATTRI	53108										
044	25	373	1771	121	45								
522	7461	6.1	163.1	11	1111.0								
		-					STABAN	AVERAGE	AVERAGE	AVERAGE	NEW		
	DEFECTIVITY	1351	1573	NOTTH NOTTH		AKEA PTS31 JTTON	VELOCITY	KADIAL	FANGENTIAL	KADIAL	Fixen		
01	(092)	(2)	CX	(KX)			(3/5)	(8/3/4)	(4/5/64)	(8/8)	FFFFFFF		
-	511.4	15.4	-31.1	-50.2			1. 61	13	76	-2.13			
2	51.9	;	-32.	16.0			2.15	-1.05	03	29	,		
-	53.0	2.8	-35.4	55.9			1.20	. 12	45	-2.23	7		
	32.3	2.3	-35.6	24.0			1.12	2.45	13	-3.56	1		
-	24.5	3.5	-25.5	21.7			2.01	1.74	13	2.33	1		
4	52.0	2.0	-19.5	24.0			1:53	-2.32	2.23	.50	1		
-	20.0	1.3	-16.2	21.8			1.05	58	04	.23	1		
	0.67	1.6	-10.3	31.6			1: 2	-6.37	64	-7.89	7		
-	2.22	2.2	3.3	6.72			56.	12	92	-4.00	1.1		
10	21.4	1.5	6.4	25.52			.78	36	12	-5.73	10		
11	55.55	16.9	2.1	22.5			1.11	37	33	- 3.12			
15	23.7	9.6	21.9	43.5			. 92	18	00.	1.38			
13	21.7	2.2	14.4	21.9			. 58	0.30	111	2.13			
14	49.1	1.5	40.3	20.0			5.59	1.01	28	2.11	26		
15	39.0	2.8	25.	62.3			19.2	19:1-	1.05	66.9	1		
15	54.5	6.9	60.6	70.4			2.04	15	75	5.83			
17	23.6	5.7	66.0	74.3			1.55	2.14		6.47			
1.9	23.6	8.3	34.5	36.2			11.	.90	10	76			
13	33.0	5.3	48.5	51.3			2.20	.31	.76	.53			
50	31.3	7.5	15.4	17.4			2.71	1.49	.59	2.33	32		
12	1.28	6.9	56.3	59.9			1.20	40.	15	. 32	25		
22	35.4	9.3	70.6	68.2			2.46	177	1.1	***	22		

	TANG	TANGENTIAL SHEAR HAXIMA ATTRIBUTES	A HATIMA	ATTRIBUT	9		-			
1934 34	40	***	ELE	4241	A2H2					
MACANTUDE LOCATION AREA VELOCITY AVERAGE MACANTUDE STREET MACANTUDE MACA	922	1336	5.1	165.1	1111.	-				
NATIONAL	1			1			1	KVERAGE	-	FIXED
MASSICAL CRANS CRAN Cr	1	ALCHI TOTA	1341	207	NULL		FEDERAL	VELOCITY	AVERAGE	DE PE PE NET
1.4	10	(M/S/KF)	(KH**2)	CER	(KM)		ELEMENT	S (4/5)	(M/S/KH)	
1		2.5	1.5	-31.1	-46.0	2.72	1.6	1.2	2.5-	1
1.4 1.6 1.6 1.6 1.7	4		7:0	2000-	63.5	1.95	1:0	-		-
1.7 1.8 -5.4 25.5 25.2 3.9 1.1 1.5 1			4.1	-110.9	26.2	28.5	, es		5	
1.1	-	1.9	1.2	2.21-	38.7	33.3	9.9	2.5	6	1
1.7 1.6 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7			1.6	1.51	58.5	28.2	3.9		1	1
1.7	1	1.1	1.3	9.21-	2.65	61.7	1.9	1.2	1.1.	1
1.7 1.8	•	9.	1.5	2-9-	28.3	29.1	3.1	1.1	9	,
1.7 1.8 -4.6 37.7 38.9 2.9 1.3 -1.7 1.8 -1.5 1.5 -1.5 -1.5 -1.5 1.5 -1.5 -1.5 1.5 -1.5 1.5 -1.5 1.5 -1.5 1.5 -1.5 1.5 -1.5 -1.5 1.5 -1.	-	1:1	2.1	-6.5	36.9	31.5	1.3	1.5	1:1.	
1.	0	1.1	1.8	9.4-	37.7	38.3	5.5	1.3	-1.1	,
2.3	-	•	2.1	-6.1	63.6	69.1		1.0	**-	21
1.5	2	2.	2.3	-6.2	2.99	67.3	2.1	1.4	2.2	17
1.5	-	••	1.2	2.1-	63.2	63.3	1.1			1.6
2.5		*	3.2	1	64.8	64.3	3.0	1.0	,	14
1.5 1.1 6.5 9 6.2 9 1.1 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	2	6.	1:1	1.2	5.22	1.22	3.0	1.7	6	11
1.5	9		1:1	5.4	22.3	\$5.5	3.0	1.3		10
3.2 11.7 50.9 66.3 62.1 .0 2.3 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2			1.1	1.5	9.42	24.3	2.4	1.1		
3.7 1.6 5.7 7.8 6.7 1.1 2.7 1.6 5.3 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3	2	1.02	1:1	40.	65.3	m . 20	•			2
3.5 1.6 66.2 78.6 102.5 1.1 2.7 -3.6 1.6 1.8 66.2 78.6 102.5 1.1 2.7 -3.5 1.6 1.8 66.2 78.6 102.5 1.1 2.7 -3.5 1.6 1.8 66.2 78.6 102.5 1.1 2.7 -3.5 1.6 1.8 66.2 1.1 2.7 1.6 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8			2.1	29.65	51.6	1.69	1.1			23
2.6 1.9 72.9 81.2 1.1 2.7 1.6 2.8 1.1 2.7 1.6 2.8 1.1 2.7 1.1		300	:	2000		200		200	3.5	93
2.5 11.6 52.5 74.6 56.7 1.4 2.5 1.1 2.6 1.2 2.6 1.2 2.6 1.3 2.				2.34	78.7	1.00	: .	2.2		2.50
2.5	1			2 33	7.57	2007	:			3.5
2.6 11.9 72.9 81.2 109.2 1.1 2.0 2.6 1.2 1.2 1.2 1.3 1.2 1.3 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1 3	2.2		52.5	0.03	100				3 %
2.6 1.9 72.9 81.2 109.2 1.1 3.0 2.6 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2		11.	1	7.8.7	KH. 7	107.7	-		11.7.	2
1.2 1.5 56.7 63.1 64.9 1.1 2.3 1.2 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	. 4	2.6	6.1	72.9	2	189.7	1.1		3.6	2
1.2 1.5 55.7 63.1 64.8 1.1 2.3 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.2 2.5 1.5 2.5 1.5 2.5 1.5 2.5 1.5 2.5 2.5 1.5 2.5	1	1:	3.0	6.54	225	13.7	2.5	2.2	1.1.	1
2.6 1.6 62.3 69.4 112.3 1.1 2.2 -2.5 1.4 1.9 1.9 2.8 1.1 2.2 1.4 1.4 1.4 55.2 69.4 1.2 2.1 2.1 2.1 1.1 3.0 -2.5 1.4 1.4 1.4 1.4 55.1 56.4 1.1 2.9 1.1 2.9 1.1 2.9 1.1 1.1 2.9 1.1 1.1 2.9 1.1 1.1 2.9 1.1 1.1 2.9 1.1 1.1 2.9 1.1 1.1 2.9 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	2	1.2	1.5	56.7	63.1	6.40	1.1	2.3	1.2	52
2.5 1.9 77.0 82.6 112.3 1.1 3.0 -2.5 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11	1	3.0	1.5	5.29	69.4	53.2	1.1	2.2	-3.0	12
1.4 1.4 5.6 56.7 60.3 6.2. 2.1 2.1 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	60	5.5	1.9	17.0	82.6	112.3	1.1	3.0	-2.5	32
1.4 1.4 53.1 54.9 75.1 1.1 2.0 1.4 .9 1.8 56.1 50.2 99.1 1.1 2.9 1.1 1.9 1.7 50.2 59.8 84.1 1.0 1.5 1.9 1.5 73.3 57.7 99.9 1.0 2.9 1.9 3.1 1.5 77.0 55.4 97.1 1.0 2.9 3.1 1.5 77.0 55.4 97.1 1.0 2.9 3.1 1.5 77.0 55.4 97.1 1.0 2.9	1	1.1	2.8	2.95	60.3	\$2.5	2.1	2.1	-1.0	36
1.8 57.6 57.2 81.1 2.9 1.18 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1	35	1.4	1.4	53.1	6.45	75.4	1.1	2.0	-1.4	56
.8 3.8 57.5 57.2 81.1 2.9 1.18 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1	2	5.	1.8	56.1	55.4	1.54	1::1	9.2	6:-	12
1.9 1.7 56.7 59.8 84.8 1.0 1.59 1.0 1.5 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	*		3.8	57.6	57.2	81.1	5.9	1.1		92
1.6 3.7 76.5 74.6 106.3 2.1 1.1 -1.6 1.9 1.9 1.0 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	33	6.	1.3	2.09	59.8	84.3	1.0	1.5	B	92
1.9 1.6 75.9 65.9 63.3 1.0 1.89 1.9 1.9 2.8 -1.9 2.8 1.0 2.0 2.8 1.0 2.8 1.0 2.8 1.0 2.8 1.0 2.8 1.0 2.8 1.0 2.8 1.0 2.8 1.	36	1.9	3.7	76.5	74.6	106.3	2.1	1.1	-1.8	32
1.9 1.6 73.3 67.7 99.9 1.0 2.9 -1.9 3.1 3.1 1.6 7.7 65.4 101.7 1.0 2.7 3.1 3.1 1.6 77.0 66.4 101.7 1.0 2.7 -1.6	33	o.	1.3	61.6	6.95	63.3	1.0	1.5		92
3.1 1.5 73.1 65.2 97.3 1.0 2.1 7.5 1.6 2.7 1.0 2.1 7.1 65.4 1.0 2.7 7.1 65.4 1.0 2.7 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7	3.0	1.9	1.6	73.3	67.7	666	1.0	2.9	-1.9	12
3.1 1.5 73.1 65.2 97.4 1.0 2.3 .6 1.6 7.7 66.4 101.7 1.0 2.7	6	5.	2.1	1.55	27.5	11.1	3.9	•	5.	52
7. 4. 65. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	2	3.1	1.5	13.1	2.50	27.3			3.1	12
		• •		75.7		. 101.		6.6		22

10 10 10 10 10 10 10 10	10 Specific	4 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	# # # # # # # # # # # # # # # # # # #	Or HER THOO OR ON OR ON OR OF		20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PIXED CONTOUR ACTERIOR			
### AZY2 #### AZY2 ###################################	135 25 25 25 25 25 25 25 25 25 25 25 25 25	ne de		Gr HERMOOGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG		# 11	FIXED CONTOUR TO FIXED TO FIXE			
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1.1 -50.7					20410 ** * * * * * * * * * * * * * * * * *		Contour Fractions			
				5 4 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6 4 6	******************	0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				
5.2 - 10.7 - 10.1 57.3 57.5 51.					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	8 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				
1131.7 -46.3 -4					######################################		**********			
1.1 -50.7		162667797777				100000000000000000000000000000000000000				
1.6			25,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,			5 4 6 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6				
3.6 - 27.6 17.0 5.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1		2022222222	11177111			, , , , , , , , , , , , , , , , , , ,				
7.5 - 27.6 17.6 32.7 5.7 1.1 1.2 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2			222222	**************************************		, 40.9. v				
2.7 -2.8 5 21.0						; 6 % ; 5 ; 7 1 1 1 1 2 1				
1.1 - 25.1		1121111111	7.55.5	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	**************************************					
11.1 - 25.1 20.9 35.3 7.2 1.1 1.2 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1		3033233	15.2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2.5				
1.1		S 3 3 2 3 3 5	15.7			2.0				
11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		11721	15.5			6.9				
1.1 - 1.5 2 4.0 4.1 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2		3233	-16.5		1111					
7.3 -15.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5		2235	-16.5	5.03	:::	1				
1.2 -1.5 4 11.8 15.6 15.7 1.9 1.1 1.5 1.7 1.1 1.5 1.5 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2		335		4.1.	13.5		-			
11.		1:1	-110.		33.3	2.3	,			
1.5		1.3	-1.3	25.3		1.9				
11.7			-5.5	35.1	0.00	15.1				
11.7 - 24.9 20.9 20.1 17.7 - 24.9 20.9 20.1 17.9 2.2 2.2 2.2 2.3 4.7 9 2.0 17.9 2.2				****	6.24	1.,	2 9			
2.2 2.3 47.9 47.9 13.6 17.9 17.9 18.6 17.9 18.6 17.9 18.6 17.9 18.6 17.9 18.6 18.6 18.6 18.6 18.6 18.6 18.6 18.6		2.1		500	2.70	1:1	12			
2.4		111.	* .	0.00		3.63		-		
1.5				200	20.00	13.0				
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7.7 22.8 48.9 5.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6		•	:							
1.6 10.4 70.3 22.0 4.3 2.0 4.3 2.0 4.3 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	20		33.0	2.2.7			7			
2.2 14.5 22.0 25.3 3.4 25.5 1.1 2.8 25.	25		4.61	20.3	22.8	4.3	20			
1.5 50.2 55.3 77.4 2.7 26 1.8 56.2 77.4 102.5 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 4.0 1.1 2.8 10.0 1.1 2.0	-	2.3	16.5	22.0	26.3	5.1	23			
7.7 47.9 56.3 71.4 2.7 26 1.8 68.6 77.4 106.5 1.1 32 10.0 42.3 50.3 55.7 1.1 32 11.6 53.9 74.6 110.3 2.1 28 25.6 57.0 74.6 110.3 2.1 28 25.7 57.3 70.9 54.4 4.0 30 25.7 57.3 70.9 54.4 4.0 30 25.7 57.3 70.9 54.4 4.0 30 25.7 57.3 70.9 54.4 4.0 30 25.1 22.2 20.9 30.5 2.1 33 25.1 22.2 20.9 30.5 2.1 33 25.1 22.2 20.9 30.5 2.1 33 25.1 25.2 20.9 30.5 2.1 33			50.2	6.69	63.0	3.4	38			
1.8 56.2 78.4 102.5 1.1 28 10.0 42.3 50.3 106.4 1.1 32 3.5 57.0 74.6 110.3 2.1 28 3.5 57.0 74.6 110.3 2.1 28 3.4 75.7 60.3 110.1 10.5 32 1.1 22.2 20.3 110.1 10.5 32		3.7	43.9	56.3	71.4	2.7	92			
10.1 58.6 81.3 106.4 1.1 32 3.5 57.0 74.6 55.7 5.3 55.7 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3		1.8	56.2	70.4	102.5	1.1	2.8			
10.0 42.3 50.3 55.7 5.2 55.7 5.7 5.3 55.7 5.7 5.3 55.7 5.1 5.8 55.0 74.6 100.3 2.1 28 5.1 28 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	-	1.1	54.6	2::3	106.4	1.1	32			
3.5 57.0 74.6 1100.3 2.1 22. 3.5 37.0 74.9 54.1 4.0 36.7 26. 3.1 27.0 60.3 110.1 10.5 32. 15.1 22.2 20.3 30.5 2.1 33. 15.1 15.2 77.4 46.0 10.2 27.	31 2.6	13.3	42.3	50.3	1.5%	3.3	52			
11.6 53.5 61.5 31.5 8.7 26 3.4 75.7 70.9 54.4 4.0 30 3.4 75.7 20.3 110.1 16.5 32 1.1 22.2 20.9 50.9 50.6 2.1 33 15.3 71.2 87.4 36.0 10.2 27	-	3.5	57.0	74.6	194.3	2.1	5.6			
35. 11. 16. 17. 17. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18		11.6	53.5	611.5	31.5	1.5	26			
354 75.7 60.3 110.1 10.5 32 1.1 22.2 20.7 50.5 2.1 33 15.5 71.2 67.4 96.0 10.2 27	-	3.5	37.3	6.0	54.4	3.4	31			
16.1 22.2 26.7 31.5 2.1 33 16.3 71.2 67.4 96.0 10.2 27 36 11 16 17		33.4	75.3	60.3	110.1	19.5	32			
15.7 71.2 87.4 36.0 10.2 27 36 11 16 17	36	1.1	22.2	20.3	31.5	2.1	33			
36 21 16 17	37 7.9	15.3	71.2	17.4	36.0	2001	27			
TOWN !	TOTAL 100=			2.5						
		-	-				-			

162	162 g PPSS94M E	** To5000	***	EX 76 40		-		VERSION 2.3	5.3	(780501)	05/05/18	PAGE	-
FIXE	FIXED CONTOUR ATTRIBUTES	DUR ATT	818JTES				6						
740		55	313	427.	47.42								
922	1935	3.8	1.3	115.0	115.0		The same of the same of the same of						
			-	3ST daAL	63	CATION	1321	TOTAL	ERAGE	FIXED			
1	HPESHOLD			EFLECTIVITY	FAST	HINCH	PANGE PESSLUTTON	RECIP	d1036d	CONTOR			
10	(280)	13		(250)	(KX)	CKKI	TKM) ELEMENTS	DNS/HR1	131	RE FERENCE			
	20			21.0	-27.1	-47.3	54.9 2.5			1			
2	02	2		42.5	-24.3	21.3	32.7 1974.8			1			
~	50			22.0	-3.5	38.3	38.4 2.3			•			
	52		1	3.12	5.92-	1.25-	47.3		-				
5	20			21.5	•	20.3				-11			
	12		1	23.6	15.3	2.22	-	the second secon	-	51			
1	20			22.1	4.5	46.3				13			
	20			23.62	22.8	42.3	-	The second second second		22			
•	59			22.1	8.5	45.1				16			
=	62		1	25.22	2.32	38.3	-		-	12			
11	50			23.1	5.1	24.3				-18			
21	22	-	1	33.0	2.33	53.3	-		-	22			
13	20			55.9	55.5	68.3				23			
14	22			22.6	35.5	37.1				52			
15	20			21.0	36.2	35.7				26			
-	0.5	-	1	45.0	6.52-	20.1	-						
2	6.0		8.66	45.0	-10.4	31.5	33.2 15.9			1			
-	0.			64.5	42.1	58.3	-	man and the second of the second		22			

29	•	PROGR	-	PROGRAM EXTRAD				(ERSION	2.8	VERSION 2.0 (188581)	27,4410	
II NO	24.74			-								
*	-	5	ELE .	AZM1	4282							
922	1935	28	1.1	115.1	115.0							
1	1350 1	KVERAGE	31338	Y OFFLECTIVITY	AVERAGE A	10034	PERAGE APERAGE PELOCITY U VARIANCE	130				
100		0827	1082	1937.0	3.2	1.1	12461235/81	68819E-15				
6.		2.22		215.4	6.0	1.6.1	11.1	. 59763E-81 68818E-15				
-	1	1	-	5.57.85	F.8615 - 8.815 6.155.9	155.3	9.12	.341938-12				

				-	-	-		-	-	-	the same of the same of the same of	-
PEAK	PEAK DETECTED CELL ATTRIBUTES	CELL ATTRI	BUTES									
DAY		ELE	A2 41	AZA	12							
922	1935 38	1.1	115.0	115.0	9.0							
1				-			MVEKAGE	AVERAGE			PEAN	
				LOCATION		AREA	VELOCITY	RADIAL	TANGENTIAL RAUIAL		FIXED	
	PEFLECTIVE	TY AREA	EAS	NORTH	RANGE	RESOLUTION	SPREAD	SHEAR		E	CCNTOUR	
10	(280)	(KH*+2)	CKHI	CKHI	(KH)	ELEMENTS	(\$ 0%)	(H/S/KH)		:	KEFEKENCE	
-	1.25	1:5	ľ	13.0	34.6	5.4	12.2	36	50	-2.06	1	
~	52.4	2.0	-32.0	18.6	37.0	3.3	2.33	-1.32	.36	.23	,	
4	0.26	2.9	ľ	18.6	32.6	11.5	02.2	21.2		53	1	
	54.5	2.0	1-54.1	21.6	32.3	3.8	1.72	2.38	1.43	5.66	7	
-	20.4	3.6	ľ.	24.6	31.0	7.1	1.71	.85	12.21	1.93	7	
•	20.0	1.1	-111-1	31.4	33.3	2.0	1. 43	2.21	.41	1.44	7	
-	1.22	6.9	4.6	47.0	2.14	6.6	86.	19	62.	-4.28	13	
•	22.1	18.7	8.8	45.3	46.2	54.8	1.02	11	21	65.9-	16	
-	5.52	4.2	2.9	5.42	1.52	5.8	. 29 .	-:15	35	-6.53	16	
10	54.0	7.8		42.2	46.1	6.6	04.	13	.08	10.1	2.0	
=	1.22	4.5			46.8	6.6	.76	02	11	18.	21	
15	36.6	3.0			72.8	5.5	5.56	30	2.07	1.64	22	
13	52.5	6.1	16.4		27.6	13.2	.63	26	26	.74	12	
1.4	33.5	2.9			61.5	2.1	55.52	.42	-2.50	-4.63	23	
3	27.5	4.1	1	-	85.7	6.2	2.23	96	00	-8.18	23	
16	55.6	4.3			51.2	5.5	1. 32	.12	15	62	52	
1	26.3	16.0	-		61.7	10.5	1.8.1	.16	33	16.21	23	

TANG	TANGENTIAL SHEAR MAXIMA ATTRIBUTES	EAR HAXIMA	ATTRIBUT	FS							
225	226 1935 38	ELE 7.3	42M1 115.0	A7F2 115.0	. 0						
-							MEETEE		FIXED		
	MAGNITUDE		207	ATION		AREA	VELOCITY	AVERAGE	CONTOUR		
	SHEAR	FERE	EAST NORTH	NORTH	RANSE	RESOLUTION SPREAD	SPREAD	SHEAR	KEFERENCE		
10	(HX/5/KH)	(KM**2)	(KH)	(KM)	(KK)	ELEMENTS	(8/8)	(HX/S/H)			
1	9.	1.9	-33.4	23.3	4.0.7	3.0			1		
~	1.	2.8	-29.7	25.8	39.	4.4	••	.,	,		
1	6.	9.2	-ZE.5	26.8	37.7	2.4	. 6.	6			
•	3.6	1.6	-19.3	24.3	31.1	3.2	1.6	3.6	7		
5	2.6	1:1	-17.9	25.2	30.3	2.1	2.1	3	1		
4		2.0	-23.6	35.2	42.	5.5	1.1	1			
1	6.	1.3	-21.2	35. 4	41.3	1.9	1.5	6	1		
	2.0	1.1	-18.3	30.0	35.1	1.9	1.5		7		
-	1:2	1.5	-11.9	30.1	32.	£:2	1.3	1.2-			
10	.,	1.4	-10.7	58.5	28.3	3.1	1.1	1	,		
-	6.	7.4	-14.2	36.1	33.7	-	1.1	6	1		
12	6.	1.2	-11.8	36.5	38.		1.1	6	,		
13	1:1	1.3	4.9-	36.0	36.3		2.1	1.6	1		
:	6.	1.1	4.4-	33.0	33.	5.0	1.3	5.	,		
13	9.	1.6	1:1	24.1	24.	-	6.	9:-	18		
16		1.1	7.1	24.5	25.3	2.7	•	1	1.8		
1	5.	1.8	14.5	8.22	27.1		- 52	5.5	19		
16	۳.	1.5	27.0	36.3	45.		1.6		21		
19	1.	1.8	16.6	25.7	23.1	,,,	-1.	1:-	19		
20	3.1	1.1	45.0	52	73.3		2.3	-3.1	22		
12	5.5	1.3	8.15	52.6	67.		1.2	5.5	22		
22	2.7	1.4	53.2	62.4	62.		2.3	-2.7	23		
2	-	1.0	63.1	48.8	65.1		2.5	-2.3	22		
50		1.3	55.5	59.3	19.		2.5	-1.8	23		
25	-	1.3	56.2	63.5	94.		1.5	8.	52		
56	3.3	1.3	6.5.0	50.1	67.3		2.2	3.3	22		
12		1:1	1.24	£ . 25	11:		2.2	1.7-	22		
26		1.0	19.0	21.3	59.1		1.0	0	61		
2		1.3	56.3	57.8	.00		1:1	1.1-	52		
30		1.6	36.1	36.6	51.4	1.9	1.3	***	52		
35	1.9	1:1	2.55	50.3	70.		2.2	1.9	22		
32	1.0	1.2	2.09	57.0	32.		1.8	-1.0	57		

10 Several 115.0	VELOC	ITY SPA	KEAD .	MIXE	FELOCITY SPREAD MAXIMA ATTRIBUTES	JTES						
FEA EAST NOWTH RANGE RESOLUTION CONTOUR FEA EAST NOWTH RANGE RESOLUTION FEA EAST NOWTH RANGE FEA EAST NOWTH	DAY	-	SS	ELE	AZA		242					
REA EAST HOUTH RANGE RESOLUTION GONTOUR REFERENCE 1.0	922	1935	38	1.0	115		115.0					
REA EAST HOWTH RANGE RESOLUTION CONTOUR REACENTE 13.0 13.						DEALION		KREK		-		
KWZ) KWM KWM KWM ELIMENIS REFCRUSE 1.5 - 28.1 - 47.6 55.3 1.0 1.0 1 1.6 - 28.2 13.7 5.2 7 1.7 - 28.2 20.3 38.4 3.0 7 1.7 - 28.2 20.3 32.4 3.0 7 1.8 - 28.9 34.0 45.3 11.2 7 1.9 - 28.9 34.0 45.3 11.2 7 1.0 - 28.9 34.0 45.3 11.2 7 1.0 - 28.9 34.0 45.3 11.2 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 7 1.0 - 18.3 29.0 35.5 12.9 19 1.0 - 18.3 29.0 35.5 12.9 19 1.0 - 18.3 29.0 35.5 12.9 19 1.0 - 18.3 29.0 35.5 12.9 19 1.0 - 18.3 20.0 35.5 12.9 12 1.0 - 18.3 20.0 35.5 12 1.0 - 18.3 20.0 35.5 12 1.0 -	10	SPOEAL		AREA	EAST	HORTH		ESOLUTION				
1.0		(4/5)		-	(KA)	(KA)		CEMENTS	REFERENCE	1		
13.6 13.6 36.3 5.4 7 7 7 7 2 2 2 2 2 2 2 2 3 2 2 2 2 2 3 3 2 2 2 2 2 2 3 3 2 2 2 2 2 2 2 3 3 2 2 2 2 2 2 2 3 3 2 2 2 2 2 2 2 2 3 3 2	-	1.7			-28.1	-47.6	55.3	1.8	-			
	2	9.2			-33.6	13.6	36.3	9.4	1			
1. 1	•	5.5			-28.4	18.2	33.7	5.5	,			
- 25.2 20.3 32.4 3.0 7 - 25.5 20.3 32.4 3.0 7 - 25.9 24.2 23.1 13.2 - 26.9 34.0 43.3 11.2 - 19.3 29.6 35.5 12.9 7 - 19.3 29.6 35.5 12.9 7 - 19.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 32.3 33.7 11.1 7 - 10.4 33.7 11.1 7 - 10.4 33.7 11.1 7 - 10.4 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 33.7 11.1 7 - 10.4 33.7 11.1 33.7 11.1 33.7 11.1 7 - 10.4 32.3 11.1 33.7 11.1		9.2			-30.1	4.02	36.4	2.6	-			
-22.9	2	5.4			-25.5	20.3	32.4	3.0				
*** 1.5	0	0.5		1.5	-53.3	23.1	33.3	9.2				
*** -26.9 34.0 44.3 11.2 7 *** -26.9 34.0 44.3 11.2 7 *** -19.3 29.6 35.5 12.9 7 *** -19.3 29.6 35.5 12.9 7 *** -19.3 29.6 35.7 11.1 7 *** -19.4 32.3 33.7 11.1 7 *** -19.4 32.3 33.7 11.1 7 *** -19.4 32.3 33.7 11.1 7 *** -19.4 32.3 33.7 11.1 7 *** -19.4 32.3 39.1 18 *** -19.4 35.5 25.5 25.6 19 *** -19.4 35.7 41.7 46.0 7.2 20 *** -19.4 35.7 41.7 46.7 25.7 26 *** -19.4 35.7 41.7 46.7 25.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 46.7 26 *** -19.4 35.7 46.7 46.7 46.7 46.7 46.7 46.7 46.7 46	1	2.0			-50.9	54.5	35.2	13.3	,			
15.5 15.9 7 15	-	1.4			6.92-	34.0	43.3	11.2	1			
11. 14. 3 29.6 32.8 1.9 7 143.4 32.3 33.7 11.1 7 153.0 29.1 29.2 3.2 7 153.0 29.1 29.2 3.2 7 153.0 29.1 29.2 3.2 7 153.0 29.1 29.2 3.9 18 153.0 29.2 25.3 3.9 18 153.0 29.2 25.3 3.9 18 153.0 29.2 25.3 3.9 18 153.0 29.2 25.1 5.6 19 153.0 29.2 25.1 5.6 19 153.0 29.2 25.1 5.6 19 153.0 29.2 25.1 5.6 19 153.0 29.2 25.1 5.6 19 164. 51. 51. 51. 51. 51. 51. 51. 51. 51. 51	6	1.8			-19.3	29.8	35.5	15.9	1			
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	=	2.1		1.0	-14.3	9.62	35.5	1.3	1	-		
** ** ** ** ** ** ** ** ** ** ** ** **	11	1.8		6.1	4.6-	32.3	33.7	11.1				
1	21	1.5		1.4	-3.3	38.3	38.4	5.5	6			
9.5 5.7 46.0 46.4 2.9 13 9.5 6.8 24.4 25.5 5.6 18 9.5 6.8 24.4 25.3 3.9 18 9.5 6.8 24.4 25.3 3.9 18 9.5 7.6 7.6 18 9.5 7.6 7.6 27.3 7.6 20 9.5 7.6 4 57.6 7.7 46.0 22 9.5 7.6 4 57.8 74.1 4.6 22 9.5 7.7 46.7 7.2 20 9.5 7.8 65.5 7.8 7.9 2.8 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 26 9.7 7 85.2 38.6 54.3 1.9 28 9.7 85.2 38.6 54.3 1.9 28 9.7 85.2 38.6 54.3 1.9 28 9.7 85.2 38.6 54.3 1.9 28 9.7 85.2 38.6 54.3 1.9 28 9.7 85.8 85.8 85.8 85.8 85.8 85.8 85.8 85	13	1.8		1.6	-3.0	29.1	29.5	3.2	,			
1	14	1.3		2.2	2.1	46.0	49.4	6.2	13	-		
10 10 10 10 10 10 10 10	15	1.0		3.3	3.0	25.5	55.6	7.6	1.6			
10 10 10 10 10 10 10 10	9	1:1		4.5	8.3	2.50	43.3	6.3	1.6			
16. 25.6 27.0 5.6 18	11	1.0		1.5	6.9	24.4	25.3	3.9	18			
12.8 21.6 25.1 6.9 19 19 11 14.3 21.6 25.1 25.9 19 19 19 19 19 19 19	18	1.0		5.2	6.5	25.6	1.72	5.6	18			
14.3 21.6 25.1 5.9 19 19 19 19 19 19 19	13	1.0		9.6	23.7	41.7	6.84	7.2	20			
11 14.3 21.4 25.7 2.6 19 1.5 27.0 38.3 46.3 1.9 21 1.5 46.4 57.6 74.1 4.6 1.1 44.1 51.0 67.5 12.7 22 1.1 44.1 51.0 51.5 12.7 22 1.4 55.9 37.0 51.6 4.0 25 1.5 56.9 57.7 62.4 1.9 28 1.6 56.9 57.7 62.4 1.9 28 1.7 1.7 25 1.8 10 12 1.9 25 1.0 12 1	20	1.0	-	8.2	12.8	21.6	25.1	6.9	19			
9 57.0 57.0 57.3 40.3 1.9 21 1.5 46.4 55.5 86.7 2.0 1.1 44.1 51.0 67.5 12.7 22 1.3 55.6 57.6 81.9 11.3 25 1.4 55.9 57.7 82.4 1.9 26 1.5 56.9 57.7 82.4 1.9 25 1.6 56.9 57.7 82.4 1.9 25 1.7 1.7 1.7 25 1.8 1.0 1.2 25 1.9 2.5 25 1.0 1.2 25	21	1.0		1.1	14.3	21.4	25.7	9.2	19			
1 1 1 1 1 1 1 1 1 1	12	1.0		1.55	20.13	38.3	46.3	1.9	12			
1.3 55.6 55.5 55.7 2.0 23 1.1 44.1 51.0 67.5 12.7 22 1.4 55.9 37.0 81.9 15.3 1.5 56.9 57.7 62.4 1.9 25 1.6 56.9 57.7 62.4 1.9 25 1.0 12 20.5 11.9 25 1.0 12 12 12 12 25 1.0 12 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	23	2.7		5.5	40.4	57.8	74.1	9.4	22			
1.1 64.1 51.0 67.5 12.7 22 1.9 53.1 61.2 81.9 11.3 23 1.0 12.2 33.6 54.3 1.9 26 1.0 56.9 57.7 82.4 1.9 28 1.0 12 00.05/74.01.4 CELL WIDTH 337.2 METERS PRE	12	5.5		6.2	56.8	65.5	86.7	0.2	52			
35.4 55.1 61.2 81.9 11.3 23 3.4 35.9 37.0 51.5 4.0 25 3.5 56.9 57.7 62.4 1.9 23 3.0 10 12 0ELL WIDTH 337.2 METERS PRE	52	2.7	-	14.1	44.1	51.0	67.5	12.7	22			
1.4 35.9 37.0 51.5 4.0 25 1.7 35.2 35.6 54.3 1.9 26 1.6 56.9 57.7 62.4 1.9 23 1.0 12 1.0 12 1.1 1 1.1 1 03057440141 4 CELL WIDTH 337.2 METERS PRE	92	5.2		6.4	53.1	2.19	81.1	11.3	52			
3 10 12 0ELL WIDTH 337.2 METERS PRE 1 09405/744014 4 0ELL WIDTH 337.2 METERS PRE 1 07405/744014 4 0ELL WIDTH 337.2 METERS PRE	22	1.2		3.4	35.9	37.0	51.5	0.4	52			
10 12 15 15 15 15 15 15 15	2	1.		1.1	36.08	38.6	54.5	1.9	92			
9 10 12 OFOS/7401AL 4 CELL WIDTY 337.2 METERS PRE 1 1 1 0005/7401AL 4 CELL WIDTY 337.2 METERS PRE	62	5.5		5.6	58.3	27.7	82.4	1.9	23			
OFOS/FADIAL 4 CELL WIDTH 337.2 METERS PRE-	TOTAL	100E	50		1.0	12						
ORDS/ZADIAL 4 CELL WIDTH 337.2 METERS PRE		ON		C02027	PADIAL	•	CELL WIDT	2.186 +				
ORDSZARDIAL 4 CELL WIDTH 937.2 METERS PRE	181.01	100	1	1	-	-						
DROSZRADIAL 4 CELL WIDTH 937.2 METERS PRE	0 303	FAD 04	UNTT			,						
		MO	10 10	CORDS	ZADIAL	-	SELL WIST	4 337.2	-	-		

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PAGE 18																		
02/07/10			1	1	-		1											
WERSION 2.0 (788501)					COMION		,		1		100		7,			20		
0.2 H				AVERAGE	ATON.						-		-				-	
VERSION				TOTAL	-												-	
				AREA CESON NECES	ELF WFWT	2.2		1126.2			-		-	36.8				
				2000	CKAS	52.0	53.9	32.0	4.04	36.8	28.7	24.3	63.8	25.2	48.0	69.8	31.9	
				DEATION	CKHI	-45.3	-67.2	22.3	-33.5	36.9	28.5	23.3	63.0	21.3	41.5	53.2	2.12	
		AZHZ	132.1		CENT	-24.6	-25.9	-23.2	1.22-	2	2.5	6.4	8.5	13.2	25.8	***	9.62-	
EXIKAD	S	A2H1	147.2	AVERAGE SEFIECTIVITY	12801	21.0	21.0											
PROUREM EXTRED	ATTRI BUTE	313	8.6	4964	(KH**Z)	1.87	1.01	589.18	13.18	2.38	2.35	23.51	39.84	15.19	\$2.5	96.30	167.07	
	FIXED CONTOUR ATTRIBUTES	HHMH SS	1936 41	THRESHOLD	1280	2.0	20	20	0.2	2.8	2.0	5.0	0.2	5.0	92	20	0.9	6.0
707	FIXE	-	922	1	22	-	2					1	-	6	11	12	-	•

ELE AZM1 AZM2 6.0 157.2 132.1 AGE 107AL AVERAGE AVEXAGE VELUCITY I (USLXKH**2) 14/3ECJ (M/3ECJ (M/SECJ**2) 7 28.26.0 -8.6 -5.5 34.3 .78157E+01 5 585.4 -2.0 -10.7 24.0 .92090E-03	162	0	162 0 PROGRAM EXTRAD	SAH.	EXTRAD				VERSION	2.0	(780501)	VERSION 2.0 (780501) 05/04/78 PAGE 19	PAGE	19
ELE AZ41 AZHZ 5.0 147.2 132.1 GE 107AL AVERAGE VELUCIIV VITY REFLECTIVITY U VARIANCE 1052.84777.520717752071752	DNIM	DATA												
6.0 147.2 132.1 46E	DAY	HHH		313	AZM1	AZHZ								
AGE AVERAGE VELUCITY V VARIANCE ECT (M7SCT (M7SCT)**2) -5.5 34.3 -10.7 24.0	922	1936	19	9.6	2.7.1	132.	1							
EC) (H/SEC) (H/SEC)**2) *6 -5.5 34.3 *0 -10.7 24.0	HE TOH	REFLE	VERAGE	REFLE	CTIVITY	AVERAGE	AVERAGE	VELUCITY	136					
0.42 2.01- 0.5- 4.88	4	-	22.7	1092	2826.0	1H/SEC)	1875ECT	NSE(.78157E+00					
	-		55.22		988.4	0.5-	-10.7	1.92	. 92090E-01					

8	162 0 PROGRAM EXTRA	EXTRAD					VER	VERSION 2.0	2.0 (780501)	05/00/10	PAGE 20	28
PEAK DETECTED CELL ATTRIBUTES	: 2	BUTES										
373		AZMI		15								
9.0		167.2	132.1	1.1								
	1					AVERAGE	AVERAGE	AVERAGE	KVERAGE	MEAN		
		-	OCATION		AREA	VELOCITY	RADIAL	TANGENTIAL	KADIAL	FIXED		
A AREA	7	EAST	NORTH	RANGE	RESOLUTION	SPRE AD	STEAR	SHEAR	VEL OCIT	T CONTOUR		
· HX	.51	CKH	(KH)	(KH)	ELEMENTS	CH/S)	(H/S/KH)	(M/S/KH)	(S/H)	KEFERENCE		
-	3.2	-22-	-33.3	40.4	19.9	1.30	22	38	96	7		
	2.0	-30.	13.7	33.9	9.1	1.97	16	•15		5		
	4.3	-35.€	1.52	6.24	1.1	1.02	. 10	06	1	1		
	2.3			32.4	4.4	2.35	3.15	1.35		•		
	:			31.4	1.5	2.08	25.2	-1.15	1	- 2		
	1.3			32.3	5.4	1.77	20.2	-1.90		5		
	2.2	1		32.6	1.,	12.1	-3.94	53	1	2		
	5.4		36.8	36.6	0.,	.93	111	13		01		
	2.1			1:92	6.4	09.	.69	3.76		21		
	30.5			43.7	42.2	1.04	53	.33		14		
	2.5			48.0	2.9	. 85	20.	06	1	1.6		
	5.3			1.99	5.6	2.22	1.36	1.21		5.0		
	2.2	i	-	74.1	1.8	29 . 2	.23	12.1	1	50		
	2			809		2	.,	90 -				

162 0 PFOCRAM EXTRAD	-	-	Designation of the last of the	Total Court Commerce Co.	CHARLES CO. C. C. C.	C. St. St. St. St. St. St. St. St. St. St	Tarana and a second	THE RESERVE THE PROPERTY OF TH	The Party of the P	The state of the s	1	The second second	
NITAL	SHEAR	MAXIMA	TANGENTIAL SHEAR MAXIMA ATTRIBUTES	10									
Y		FLE	4741	5 1 2 H 2									
1936	1,	6.9	147.2	132.1									
1		-	-			-	LIFFE	-	FIXED	- Constitute			
445M	HASHITUDE		LCCATION	TION		4344	AKEA VELOCITY	AVERAGE	CONTOUR				
SH	77	7 34.7		NOPTH		RESOLUTION	SPREAD	STEAR	REFERENC				
(H/S/H)	(KK)	(2)	(88)	(KM)	(44)	ELEMENTS	(M/S)	(H/S/KH)					
	5.	1.2	-33.0	17.7	37.5	1.9	1.	4.1.	2				
	,,.	1.3	-36.6	25.3	44.5	1.8	1.2	4	5				
	5:3	1.7	-25.3	6.22	30.		1.6	200	3				
	2.1	1.4	-27.2	31.6	41.7	2.0	1.2	.1	5				
	5.5	2.4	-22.3	28.9	36.3	-	6.	7.3	5				
	5.0	1.1	-18.7	24.7	51.0		1.6	6.6	3				
	5.5	1.1	-16.5	27.9	33.7		1.1	-2.5	5				
	5.	1.5	-22.4	35.7	42.1		1.2	6	20				
	2:2	1.1	-16.3	27.5	31.3	-	1:1	2.2-	- 5				
	1.9	1.1	-13.2	34.1	36.3			-1.0	5				
-	9.	1.8	-15.0	36.9	41.7	-	1.2	9	5				
	6.	1.1	-16.6	36.9	30.6		1.3	6	3				
	1.3	1.1	4.3-	35.9	35.3		6.	-1.3	10				
	1.1	1.1	11.3	45.4	46.3	1.4	1.2	-1.1	14				
		1.0	5.4	22.4	23.3	-	1:	61.	17				
	2.2	5.6	6.4.4	6.09	75.0		2.3	-2.2	20				
-	2 4	1.	2 27	57.6	S. K. J		7.8	8-1-8	20				

291	30		-							******	
ELOC	VELCCITY SPPEAD M		AXIMA ATTRIBUTES	2310							
226	1936 41	3.0 FLE		42M1 147.2	4ZM2 132.1						
	-		-	LUCATION		SZEA	FIYED				
10	SPREAD	AREA	1243	LORTH	RANGE	RESOLUTION	SUCTION				
	(S/H)	(K42)	(KM)	(KM)	(83)	ELEMENTS	REFERENCE				
-	2.0	1.9	-24.6	8.54-	52.0	2.2	1				
2	2.2	1.0	-25.9	-47.2	53.3	1.1	2				
	1.0	4.2	-22.0	-35.5	45.3	6.1	•				
	1:2	1.4	-33.9	15.2	37.1	1.9	- 2				
5	1.9	1.4	-35.1	17.5	39.5	2.1	•				
0	2.2	1.7	-28.0	16.9	32.7	3.3	ıc				
	2.2	1.0	-26.4	18.0	31.9	1.9	5				
	5.2	3.6	-26.6	20.6	33.7	17.4	2				
•	2.5	1.3	-17.3	31.1	35.6	2.3	2				
-	1:1	1.6	-14.2	28.7	32.3	3.0					
11	5.4	1.0	-10.6	50.62	31.4	2.0					
12	1.4	16.1	-12.9	36.5	40.6	24.3	2				
13	1.8	3.6	1.8-	32.0	53.1	15.0	2				
1.4	1:0	3.9	-6.1	33.4	33.9	7.1	5				
15	1.3	1.9	-3.9	24.3	28.6	0.,	2				
9	-	1.8	1:	36.7	36.7	3.1	6				
11	•	2.1	2.2	20.5	20.6	5.7	13				
18		5.4	5.6	54.5	25.0	15.7	12				
19	1.1	2.2	7.2	21.8	22.9	6.5	12				
20	1:1	2.4	11.9	21.1	24.2	6.9	11				
21	1:1	1.6	27.1	39.9	46.3	2.3	19				
22	9:1	1.8	15.6	1.12	26.7	2.4	11				
23	5.5	11.4	44.3	52.0	68.3	10.2	50				
12	9.2	18.9	48.0	4.95	14.0	15.6	02				
TOTAL	TOTAL 190= 21	21 6	5	6							
2	0 000	7									

707		PROURAN	CANINA					VEKSI	1.2 NO	VERSION 2.0 (786501)	02/00/50	PAG
1	ED CONTOL	TXED CONTOUR ATTRIBUTES	TES .									
DAY	HHHH	373 51	1	4242								
922	1831	1.0	135.2	112.9				-				
-			AVERAGE	1	COCKLION		1341	TOTAL	APERAGE	1		
	THRESHOLD			TEAST	NORTH	KA NGE	CANGE LESOLUTION	PRECIP	PRECIP	CONTOR		
20	12863	Γ		CKHI	CKHI	CKAI	ELENENTS.	T DWS / HRI	(MATAR)	1		
-	50			-26.7	-33.1	39.0	61.3					
-	0.2	54.8.7	6	9.22-	1.22	31.6		and and designation of the second district of	and or the last of	2		
•	50	4.78	8 22.3	3.5	20.3	21.2	13.8					
-	0.2	1:5		4:	19.3	21.5	-		-	210		
	50	2.1		6.1	****	44.8				•		
	0.2	1.5	-	10.1	ŀ	2.22	-		-	113		
-	50	25.41	1 20.6	43.6	51.4	67.6				1,4		
	02	2.3		48.5		74.5			-	15		
-	0,	1.4		-6.0		33.0				2		
		Commence of the last of the la	-									

087 HHHM SS ELE 42M1 42M2 226 1937 37 9.0 135,2 112.9				WIND DETA	WIND DE 11.			
135.2 112.9	DAY ##	35	ELE	1424	AZHZ			
	556 19	37 37	9.0		112.3			

162		HEND CAR	***	EXIKAD		- 1	VERSION 2.0 (786503)		VEK	PERSION 2.0	2.0 (180502)	8/78/60	62 35W
130	PEAK DETECTED CELL ATTRIBUTES	130 03	L ATTRE	SUTES									
740		55	373	AZMI	AZA	2							
922	1461	37	6.1	135.2	112.9	6.							
			-	100	CATION	(_	1351	VELOCITY	RADIAL	TANGENTIAL	AVERAGE	FIXED	
91	KEPLECTI (092)	THE	14E4	ERST (KH)	12	ENNGE (KA)	ELEVENTS	CH/S)	(M/S/KM)	5	(M/S)	CCNTOUR	
	2.22.3	-	1.92	1.02-	-33.5	33.4	61.6	1.54	29		85	1	
1	.69		7.1	1		35.1	200	11.7	79.7-	1	11.		
	59.7		2.1	-24.4	18.8	30.9	4.2	2.21	.3.30	.25	-6.19	2	
-	47.	6	2.5	1	1	35.7	1:1	55.2	19	3.68	-5.49	-2	
49	58.8	•	1.0			32.3	1.9	1.65	-1.27	54	-1.85	2	
-	53.	1	1.9			2.62	3.9	1.83	36	25	11.23	2	
•	51.4	,	1.4			30.5	6.3	1.83	1.49	13	2.11	2	
-	75.	2	6.0	1	1	4001	13.3	1.85	97.	11.	13.	1	
10	****	2	2.1			32.5	3.9	1.23	1.12	19	**.	2	
=	26.	5	5.2	1		38.2	9.4	. 35	3.50	3.31	-4.13	2	
12	22.8		3.0			21.4	8.6		-1.10	1.58	-4.47	,	
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DAV	-	SS	ELE	AZH1	AZHZ									
526	1631	31	9.6	135.2	112.9	6								
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	SHEAR		AREA	EAST	NORTH		RESOLUTION	SPREAD	SHEAR	KEFERENCE	1.			
2	(M/S/KH)		(KH**2)	(KH)	(KH)	CENT	ELEMENTS (M/S)	(W/S)	(H/S/KH)					
-	1.	-	1.3	8.42-	32.9	41.3	1.9	1.4	-1.3	2				
2	4.1		1:1	-18.0	25.2	30.3	2.1	2.1	1.4	2				
~	•2	-	1.5	-14.9	6.62	6.63	3.5	1.5	1:-	2				
3	1.0		1.4	-17.7	36.2	40.3	2.1	1.8	-1.0	2				
2	•	6	1.8	-15.5	34.6	37.3	5.9	1.3	4.	2				
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/HERD/	1111	15							
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EXPAND	136	7463	831	85/83/78 FTN	N	4.6 428	I X999	0PT=1	
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LABEL	10264	125		05/03/78 FTN		4.6 428	I x999	0PT=1	
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/SAVORG/	22901	•							
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PLOT	10674	325		18/14/76 FTN		4.5 414	1 Y999	001=2	
ENDPLY	12211	160		11/14/76 FTN		110 610	1 X999	2=140	
CHEXIT	11401	11		10/14/76 COMPASS	COMP ASS	3. 2-414			
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Profite	1000	227		N 1 9 / 67 / 67		*14 6.4	I YOOG	2=140	
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DOTE	13016	19		10/14/76 FTH		414 6.4	1 X999	3PT=2	
PLOTTX	13057	23		10/14/76 FTN		4.5 414	I X999	0PT=2	
WHERE	13102	25		10/14/76 FTH		419 5.4	1 X999	2=14C	
EKKALI	131%	235	UL-PEN	10/14/76 FTN		4.5 414	I x999	0PT=2	
NEWPEN	13666	653		10/14/76 FIN		4.5 414	I x999	0PT=2	
PLOTS	13732	75		11/16/76 FTM	-	117 27	1 YOUR	20120	
BUFF	14027	467	UL-PEN	10/14/76 COMP ASS		3. 2-414			
ABORTS	14516	•		10/11/76	COMPASS	3. 2-414			
LIMEGE	14522	1115		82/16/78 FTN		4.6 428	I x999	0PT=1	
4	15637	10		02/16/78 FTH		4.6 428	I X999	OPT=1	
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/FCL.C./	157.03	23							
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FECHSK=	19191	119	SL-FORTERN	11/21/80	COMPASS	3. 3-428		INITIALIZE CONSTANTS.	STANTS.
FL TOUT=	16122	311	SL-FORTRAN	68/12/77 COMPASS	COMPASS	3. 3-428		COMMON FLOATING OUTPUT CODE	6 OUTPUT CODE
THEOMSTER	16433	613			COMPASS	3. 3-628		FORFRAN UBJECT	FORTRAN UBJECT LIBRARY UTILITIES.
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				BELIZITY COMPASS	COMPASS	3. 3-428		HAMELIS! GUTPUT ROUTINE.	HAMELIST COTPOT ROUTINE.

28652 14 SL-DORTRIN BATIZITT COMPASS 3: 3-428 28662 14 SL-DORTRIN BATIZITT COMPASS 3: 3-428 28771 65 SL-DORTRIN BATIZITT COMPASS 3: 3-428 28771 65 SL-DORTRIN BATIZITT COMPASS 3: 3-428 28782 15 SL-DORTRIN BATIZITT COMPASS 3: 3-428 28782 18 SL-DORTRIN BATIZITT COMPASS 3: 3-428 28782 28782 28 SL-DORTRIN BATIZITT COMPASS 3: 2-414 28782 28782 28 SL-DORTRIN BATIZITT COMPASS 3: 2-414 28782 28782 28 SL-DORTRIN BATIZITT COMPASS 3: 2-414 28782 28782 28 SL-STSID BATIZITA COMPASS 3: 2-414 28782 28782 28782 BATIZITA COMPASS 3: 2-414	BLOCK	ADDRESS	LENGTH	FILE	JATE	PROCSSR	PROCSSR VER LEVEL	HARDHARE	CORNENTS
1877 64 64 64 64 64 64 64	CL OCK=	20631	15	SL-FORTRAN		COMPASS	3. 3-42		ACCESS SYSTEM CLOCKS FOR PORTRAN.
1100 10 10 10 10 10 10	SO LOCKE	29982	-	SL-FURIER		COMPASS			
11.0 1.0	SINCOS=	20771	99	SL-FORTRAN	08/12/77	COMP ASS	3. 3-620		TRIGONOMETRIC SINE OR COSINE OF X. OPT=ALL.
21166 56 St-PORTRIN 1912/77 COMPASS 15-426 DANGER LOGGED 170 COLD 1816 150 COLD 170 COLD 1816 150 COLD 170 COLD 1816	SVSAID=	15812	1	SL-FORTRAN	11/21/88	COMPASS			LINK BETWEEN SYSTAID AND INSTINCTION CODE.
21222 15 24 24 24 24 24 24 24 2	MCKSP=	21060	26	SL-FORTAAN	88/12/77	COMP ASS			BACKSPACE LOGICAL RECORD.
2.224 3.9 Strengton 871277 Cope 52 3. 3-42 Control of 12.5 Cope 52 Cop	=OINO:	21136	*9	SL-FORTRAN	11/21/50	COMPASS			COMMON CODED 170 NOUTINES AND CONSTANTS.
22116 575 514 515 514 515 514 515 51		27777	10	SL-FURIKAN	11771	CONFRSS			IEST FOR END OF FILE STATUS.
2214 22 22 22 22 22 22 2	MTAPE	21416	162	SI -FORTRA	08/12/77	COMPASS			CRACK APITST AND FORMAT FOR KONER/KRAKER.
22515 21-67144 27-777 COPPASS 1-3-620 LOGATE AN FILE NAME	DOUTE :	71766	91	NANTACA- IN	88717777	COMPANY			FCL MISC. UTILITIES.
22276 315 SL-FORTRAM BYLIZ777 COMPASS 3: 3-426 BIMARY RECORD.	ETFITE	55004	*5	SL-FORTAN	08/12/77	COMPASS			LOCATE AN FIT GIVEN A FILE NAME.
22575 31 S1-70RTAN BATTATA COMPASS 1. 3-420 BINARY RECORD. 23267 523 S1-70RTAN BATTATA COMPASS 1. 3-420 BINARY RECORD. 2416 2. 31-70RTAN BATTATA COMPASS 1. 3-420 BINARY RECORD. 2416 2. 31-70RTAN BATTATA COMPASS 1. 3-420 BINARY RECORD. 2416 2. 31-70RTAN BATTATA COMPASS 1. 3-420 BINARY RECORD. 2417 1	10.80F./	99 822	122						
2251 92 3-408743 PINTIT COMPASS 3. 3-428 UNIVEL TRUCTS TO COMPASS 3. 2-414 CASS 3.	1 Par	22275	314	SL-FORTAAN	08/12/77	COMP ASS	3. 3-426		BINARY READ FORTRAN RECORD.
23267 523 51-700TRAM 8912777 COMPASS 3-3-28 NAMELIST HOUT COUP. 24156 21 51-700TRAM 8912777 COMPASS 3-3-28 USER CALLADE ERROR PROCESSOR. 24271 10 51-700TRAM 8912777 COMPASS 3-3-28 USER CALLADE ERROR PROCESSOR. 24281 10 51-700TRAM 8912777 COMPASS 3-3-28 REAL TO INTEGE EXPONENTIATION. 24387 40 51-57512 9913776 COMPASS 3-2-14 2445 21 51-700TRAM 8912777 COMPASS 3-2-14 2445 21 51-700TRAM 8912777 COMPASS 3-2-14 2445 21 51-700TRAM 8912777 COMPASS 3-2-14 2445 21 51-57512 9913776 COMPASS 3-2-14 2445 21 51-57512 9913776 COMPASS 3-2-14 2445 11 51-57512 9913776 COMPASS 3-2-14 2446 11 51-57512 9913776 COMPASS 3-2-14 2446 11 51-57512 9913776 COMPASS 3-2-14 2447 21 51-57512 9913776 COMPASS 3-2-14 2448 11 51-57512 9913776 COMPASS 3-2-14 2448 11 51-57512 9913776 COMPASS 3-2-14 2449 11 51-57512 9913776 COMPASS 3-2-14 2440 11 51-57512 9913776 COMPASS 3-2-14 2441 11 51-57512 9913776 COMPASS 3-	DOERE	11972	969	SL-FURTERN	11/21/88	CUMPASS	3. 3-42		UUIPUI FUKHKI INTERPRETEK.
2411 15 1 1 2 1 - FORTAM BATZATY COMPASS 3 3 - 5 - 2	AMIN=	23267	523	SL-FORTRAN	08/12/77	COMP ASS	3. 3-42		NAMELIST INPUT ROUTINE.
24166 21 S. 4-FORTAN BATIZATY COMPASS 3. 3-420	UTCO4=	21092	154	SL-FORTRAN	11/21/88	COMPASS			COMMUN GUTPUT CODE
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2330	151151	26207	29	SL-FORTARN	11/2/1/	COMPASS			HATM LIBRARY LIME TO ERROW MESSAGE PROCESSOR
24447 40 SL-SYSIO 09/03/76 COMPASS 3. 24443 233 SL-SYSIO 09/03/76 COMPASS 3. 24443 233 SL-SYSIO 09/03/76 COMPASS 3. 24443 233 SL-SYSIO 09/03/76 COMPASS 3. 24712 1		11363	-	מר ו מיו אשו	11177160	COULT #33			
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##1 25617 5 113 SL-SYSIO #9703/76 COMPASS 3. 26771 101 SL-SYSIO #9703/76 COMPASS 3. 26771 101 SL-SYSIO #9703/76 COMPASS 3. 26771 101 SL-SYSIO #9703/76 COMPASS 3. 27142 106 SL-SYSIO #9703/76 COMPASS 3. 27267 1 1 SL-SYSIO #9703/76 COMPASS 3. 27267 1 1 SL-SYSIO #9703/76 COMPASS 3. 27267 7 1 SL-SYSIO #9703/76 SL-SY	C. F. F. O.	25610							
11 SL-5YSTO B9703776 COMPASS 3. 25624 111 SL-5YSTO B9703776 COMPASS 3. 26712 26712 101 SL-5YSTO B9703776 COMPASS 3. 26712 26712 26712 101 SL-5YSTO B9703776 COMPASS 3. 27142 106 SL-5YSTO B9703776 COMPASS 3. 2726 106 SL-5YSTO B9703776 COMPASS 3. 2726 106 SL-5YSTO B9703776 COMPASS 3. 2726 110 SL-5YSTO B9703776 SL-5YSTO B9703776 SL-5YSTO B9703776 SL-5YSTO B9703776 SL-5YSTO B9	CFT. AT/	75617		the same of the sa	-	-	-	-	
26771 1134 SL-SYSTO BY/03/76 COMPASS 3. 26771 101 SL-SYSTO BY/03/76 COMPASS 3. 27742 106 SL-SYSTO BY/03/76 COMPASS 3. 27752 106 SL-SYSTO BY/03/76 COMPASS 3. 50 27142 106 SL-SYSTO BY/03/76 COMPASS 3. 50 27269 101 SL-SYSTO BY/03/76 COMPASS 3. 51 27765 7 SL-SYSTO BY/03/76 COMPASS 3. 52 30 30341 14 SL-SYSTO BY/03/76 COMPASS 3. 53 30341 14 SL-SYSTO BY/03/76 COMPASS 3.	GET.RT/	25524	11						
26771 101 SL-SYSIO 09/03/76 COMPASS 3. 27072 51 SL-SYSIO 09/03/76 COMPASS 3. 3.FD/ 27250 7 1 SL-SYSIO 09/03/76 COMPASS 3. 3.G 27250 1 10 SL-SYSIO 09/03/76 COMPASS 3. 3.G 27261 404 SL-SYSIO 09/03/76 COMPASS 3. 3.G 27765 7 SL-SYSIO 09/03/76 COMPASS 3. 3.G 27765 7 SL-SYSIO 09/03/76 COMPASS 3. 3.G 30341 14 SL-SYSIO 09/03/76 COMPASS 3.	ET. 50	25635	1136	SL-SYSTO	89783775	COMP ASS	3. 2-61	1.	
27472 51 51 51 51 51 51 51 51 51 51 51 51 51	. 50	26771	101	SL-SYSIO	09/03/76	COMP ASS			
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27267 1 1 SL-SYSIO #9708776 COMPASS 3. 27268 144 SL-SYSIO #9708776 COMPASS 3. 27755 7 SL-SYSIO #9708776 COMPASS 3. 27774 7 SL-SYSIO #9708776 COMPASS 3. 300841 14 SL-SYSIO #9708776 COMPASS 3.	15KBL. FD/	05212	1			-		-	
27269 101 L-ST910 07/07/75 COMPASS 3. 27761 404 SL-ST910 03/03/76 COMPASS 3. 27774 71 SL-ST910 09/03/76 COMPASS 3. 31065 254 SL-ST910 03/03/76 COMPASS 3. 30341 14 SL-ST910 05/03/76 COMPASS 3.	164.88×81	27257	-						
27361 484 SL-SYSIO 03/03/76 COMPASS 3. 27765 7 SL-SYSIO 19/03/76 COMPASS 3. 27774 71 SL-SYSIO 19/03/76 COMPASS 3. 30341 14 SL-SYSIO 19/03/76 COMPASS 3.	KS8.50	27268	101	SL-SYSID	83/83/16	COMPASS	3. 2-41		
27765 7 SL-57513 03703776 CUMPASS 3. 27774 71 SL-57510 09/03/76 COMPASS 3. 300341 14 SL-57510 09/03/76 COMPASS 3.	RE. RH	27361	101	SL-SYSI3	03/03/76	COMP ASS			
27774 71 51-57210 09403776 COMPASS 3. 30065 254 51-57210 03703776 COMPASS 3. 30341 14 51-57510 03703776 COMPASS 3.	DE. 384	59112	-	SL-STST3	03713577E	COMPASS	39-2 .5	L	
30341 14 SL-SYSIO 19703/76 COMPASS 3.	15.8H	27775	11	SL-5 Y \$ 10	09/03/76	COMP ASS			
30341 14 SL-SYSID 09/03/76 COMPASS 3.	DEN. SO	30065	152	SL-SYSIO	13/13/176	COMPASS			
	DPEX.50	39341	1,4	SL-57513	03/03/16	COMP ASS			

200	-				26.17		C1954 C34354 1-11-458	02/03/10	13/13/10 18:00:41:	FAGE	1
T.RH	33364	2	SL-SYST3	09/03/76	COMPASS	3.	919-2				-
1.50	30366	1400	SL-SYST3	09/03/76	COMPASS	3.	2-414				
2.50	31766	268	SL-SYSTO	03/03/16	COMPASS	3.	919-2		-		
LSF.RH	32246	52	CISAS-7S	83/03/76 COMPASS 3. 2-414	COMPASS	3.	2-414				
17.S0	32273	115	SL-SYSTO	83/83/76	COMPASS	-	919-2				
0x . x0	32410	150	SL-SYSIO	09/03/76	CUMP ASS	3.	2-414				
(FL.FO/	32568	1							-		
1.50		51	CISAS-7S	03/03/76	COMPASS	3.	2-414				
BL . SO		1026	CISAS-7S	03/03/76	COMPASS	3.	119-2		-	-	
135		33	ST-NUCLEUS	92/05/14	COMP ASS	3.	7 3269				
- Line		22	SI -NUCLEUS	21/50/20	COMPASS	;	73269				-
SOVR		166	ST-NUCLEUS	04/15/77	COMPASS	3.	2-414	REPRIEVE I	NTERFACE		
5.2H		37	ST-NUCLEUS	84/15/77 COMPASS 3. 2-614	COMP ASS	:	414-2	PROCESS ST	PROCESS SYSTEM REQUEST.		-
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1.058	E. 058 CP SECONDS		67483	674833 34 STORAGE USED	AGE USED	1		TOS TABLE MOVES	53		1

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XK1	=7E	.7E+ 02.								
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YK2	* .76+	.05.								
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XICINI:	1:	7:	1.0	2 x 5	9 = 1	. 00 .	9 31	00.	7 04.3	1.
3.153	2.817		3.175	2.8 38	2001	OUTSTOE	1016	AREA	20.00	17.
3.126	-		3.068	2.763	1002	OUTSIDE	10.	AREA	9.004	.64
	2.238	t-	3.110	659.2	1002	DUTSTOE		AREA	6.001	941.
3.068	~ "	3001	3.024	2.738	2001	3012100		AREA	5.911	
			200	: "	2001	OUTSTOR		4964	5.861	. 583
	6	30	. 01		1682	OUTSIDE	2001	AREA	5.833	. 58
3.014		3001	7.66.2	-	2001	OUTSIDE		AREA	5.825	69.
3.080	2.997	3001	3.043	2.963	2001	OUTSTOF	1016	1994	5.930	1.1998
3.146	90	30	3.160	11	2001		1	,		1.13
		30	3.196		2001				5.981	1.05
3.080	2.997	3001	3.053	3.013	2001				5.930	. 998
	F	F	3.145		2002		-		5.058	1.13
	.12	30			2001				6.034	1.209
	12	30		-	2001	DUTSIDE	4	AREA	4.453	33
	0	5	2.028	6.	2001	OUTSIDE	.,	ASEA	4. 354	50
2.178	2.156	3001	2.126	2.891	2001	OUTSTOR		A 7 E A	4.434	2.345
	P	30	7.151	-	2001	OUTSTOE	1	APEA	4- 556	5.503
		30	2.028	6.	2001	0UTS10E	107	AREA	4. 302	45
		2;	616.2		2001				28	1.10
2.979	3. 434	2001	2.000	3.110	2001		-	-	5. 563	1.10
	3. 110	3	3.020	? 7	2001					1.17
666.2	3.078	30	2.985	2	2001		-			1.12
3.020		30	3.004	:	2001				5.634	1.20
5962	3.094	2	896.2	11	2001				5.778	1.152
3.00	3.143	3001	2.996	3.160	1007				5. 808	1.23
7. 900	•									

5.9104 5.911 5

5.684 5.684 5.664 5.763
1.236
123
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237 2001 255 2001 199 2001
3.25
2.988 2.913 2.976 2.900 2.963
3.177 8011 2.926 3.164 8081 2.988 3.164 8081 2.976 3.237 8081 2.976 3.181 8031 2.900

937	3.697	3001	2.009	3.168	2001	4.103	1,157		1.270
831	3.512	3001	2.823	3.531	2001	5.532	1.019	5.519	1.351
542	3.475	3001	269.2	3.479	2001	5. 394	1.762	5.510	1.768
26.8	3.276	4001	2.256	3.306		4.653	777	4.6.5	1.044
182	3.240	3001	2.169	3.271	2001	4.495	1.386	4.475	1.435
169	3.271	3001	2.126	3.254	6	4.475	1.435	4.405	104.1
126	3.254	3001	2.138	3.222	~	4.405	1.407	4.425	1.357
600	3.168	3001	1.995	3.201	2001	112.4	1.270	4.196	1.324
823	3.531	3001	2.816	3.549	2001	615.5	1.651	5.504	1.880
260	3.479	3001	2.60%	3.4.99	2001	5.310	1,768	5.296	1.000
***	30.300	1000	4.554	2000	1002	4.153	1. 200	101.1	1.50/
366	30.36.5	1000	2 346	2 2 2 2 2	2001	****	1, 510	100.	1. 260
900	3.20	400	2 40	3.232	2001	*19 ·*	10401	16000	1 273
816	1 2 2 2		200	3.5.60	2001	2. 504	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	707 9	200
	3.490	1002	2.632	3.5.16	, ,	5. 20R	THE RELL	5.716	1.840
334	3.366	3001	2.323	3.394	, ~	6-71	1.587	4.721	1.632
062	3.349	3001	2.279	3.378	12	4. 667	1.560	4.650	1.606
546	3.332	3001	2.235	3.362	2001	165.4	1.533	4.560	1.581
058	3.298	3001	2.014	3.282	2001	862.9	1.479	122.4	1.453
983	3.232	3001	1.926	3.251	2001	4.177	1.373	4.086	1.402
608	3.569	3001	2.801	3.590		5.498	1.912	5.485	1.344
713	3.559	3001	2.668	3.544		5.343	1.896	5.272	1.071
.632	3050€	1005	429.2	3.529	1002	112.5	1.610	5.201	1.847
944	3.468	3001	204.2	3.453		4.917	1.750	4.847	1.726
323	3.394	3001	2.313	3.422		122.4	1. 632	4.705	1.677
2.279	3.378	3001	5.269	3.407		4.650	1.606	4.634	1.653
692	3.407	3001	2.224	3.352		4.634	1.653	4.363	1.623
422	3.392	3001	2.235	3.362		4.553	1.629	4.580	1.581
28	3.377	3001	2.136	3.362	1002	264.4	1.504	124.4	1.580
.058	3.298	3001	2.047	3.331	2001	4. 298	1.479	4.279	1.531
114	3.282	3001	1.958	3.301	2001	122.4	1.453	4.137	1.483
926	3.251	3001	1.914	3.266	~	4. 086	1.402	4.066	1.453
801	3.590	3001	151.2	3.594		5.485	1.964	2.404	1.951
.713	666	3001	2.706	3.579		5.343	1.896	5.332	1.927
2	.579	3001	199.2	3.565	2001	5.332	126.1	192.5	1.904
199		3001	5.668	3.544	2001	5.261	1.904	5.272	1.871
470	. 529	3001	219.2	3.550	1002	102 -5	1.847	5.190	1.881
9	999	3001	564.2	3.506		4.917	1.750	4.976	1.811
70		2001	2.394	2000		7,04	1.726	4.033	1.00
		1	10000			4. 633	1.00	160.4	1.113
2.260	3. 4.26	2002	2.215	324.5	2001	1690	1.119	4.5.49	1.00
8	377	3005	7.171	3.6 05	, ,	797.7	1.616	4.677	1000
7		3001	2.126	3.390		4-477	1.649	4.406	1.626
25	39.1	3001	2.136	3.367		4.404	1.676	6.671	1 5 K I
141	331	3001	2.037	3.361	2001	4.279	1.531	4.263	1.579
158	. 301	3001	266.1	3.347	1902	4.137	1.483	261.4	1.556
114	.286	3001	1.948	3.332	2001	4.056	1.459	4.120	1.533
113	3.697	3001	2.96.5	3.683	1002	229.5	2.116	5.751	160 .2
151	3.594	3001	5.739	3.628	2001	5.404	1.951	5.465	5.006
211	3.550	3001	5.609	3.573	2001	2. 190	1.881	2.178	1.918
.83	3.506	3001	5.415	3.532		4.976	1.811	4.963	1.852
30	3.518	3001	588.2	3.505	2	169.4	1.830	4.620	1.808
093	3. 434	3001	2.251	3.463	~	4.620	14 695	4.605	1.742
121	3.463	3001	2.206	2	2	4.605	791.1	4.533	1.720
90	3.450	3001	512.2	3.419		4. 533	1.720	4.548	1.672
9	3.450	3001	2.161	3.436	1002	4.533	1.720	195.4	1.698
37	3.361	3001	5.026	3.394	2001	4.263	1.573	4.246	1.633
97	3. 394	3001	196.1	3.381	1002	952.5	1.633	4.175	119.1
19	3.381	3001	1.992	3.347	2001	4.175	1.611	4.192	1.556
9		3001	1.981	3.381	1002	4. 120	1.933	4.175	1.611
2	•	2005	1.398	30.505		3.315	1.34/	3.243	1.325
3.013	3.697	3001	3.053	3.7.28	2001	5.823	2,116	5.867	201.5
		3001	076.7	3.070		76196	5.034	2.00	401.7

-	-		-	-				-	
5.609	3.573	3001	2.557	3.586	2001	5.170	1.918	2.08	1.939
2.430	3.518	3601	2.421	3.547	2601	4.891	1.630	4.878	1.677
588.2	3.505	3001	2.376	3.534	1002	029 -	1.608	4-806	1.856
2.286	3. 509	3001	2.136	3.483		4. 661	1.815	4.517	1.773
902.2	3.450	3001	2.196	3.483	1992	4.533	1.720	4.517	1.13
2.196	3.463	3001	2.151	3.470	2001	4.517	1.773	4.445	1.753
161.5	3.47	3801	191.2	3.436	1002	6.445	1.753	194.4	1.696
1			1.925	30.400	1082	4.175	11.611	4.085	1.049
200		1001	1.104	3.202	2001	3, 31, 30, 3	1.53	3.242	10 466
			1	1	2007	SCAR S			
2.918	3.690	3001	2.912	3.708		5.678	2.104	5.662	2.133
151.2	3.638	3001	152.5	3.659	2001	5.382	2.021	5.373	2.055
2.557	3.586	3001	2.550	3.611	2001	2.094	1.939	5.083	1.978
155.5	3.611	3001	554.2	3.586	1002	5.883	1.978	4.938	1.939
5.488	3.506	3001	5.466	3.560	2001	4. 938	1.939	4.950	1.897
174.2	3.547	3001	414.2	3.574	1002	4.878	1.877	999.0	1.919
2.414	3.574	3001	5.369	3.562	2001	4.866	1.919	4.793	1.980
5.50	3. 36.		2.376	2.53		4.793	1.900	4.806	1.856
2007	20.50	2007	2/202	30.230		4.001	1.012	640.	1.001
2.117	3.513	3005	2.196	3.683	2001	4.504	1.822	4.517	1.773
2	3.689	3001	1981	3.4.52	2002	6.085	1.669	291.9	
3.846	3.744	3001	3.044	3.761	2001	5.879	2.192	5.873	2.217
216.5	3.70	3081	2.953	3.738	1002	299.5	2.133	121.5	101.5
2.731	3.659	3001	5.726	3.681	2001	5.373	2.055	5.364	2.090
2.487	3.681	300	292-2	3.589	1002	6.855	1.962	4.782	1.964
			100	200	7007	241.0	10,163	200	2
2.953	3.738	3001	5.949	3.754	2001	5.727	2.181	5.721	2.207
924.2	3.681	3001	5.912	3.69	1002	5.364	2.090	592.5	\$01.5
2.487	3.601	3001	2.481	3.625	2001	4.855	1.962	4.845	2.001
201.2	2. 509		1.930	3.615	2001	4.782	1.964	24.	1.98
514.7	3.764	3881	3.037	3.79	1002	5.796	922.2	5.861	792.2
5.949	3.754	3001	2.991	3.781	2001	5.721	2.207	5.788	2.251
5/9.2	3.698	3001	2.716	3.7.22	1002	5.263	401.2	5.348	2.156
1	30.063	2005	20099	30000	1007	4.643	2.001	4.635	2007
2.349	3.642	3001	2.355	3.615	2001	4.762	2.029	4.772	1.984
121.2	3.593	3001	7/11.2	3.583	1082	4. 396	1.949	4.323	1.933
	30.929	3001	920-2	3.575	2001	4.188	1:0	2.5	1.918
2.991	3.701	3001	2.986	3.799	2001	5.788	2.251	5.782	2.278
2.716	3.722	3001	2.711	3.744		5.348	2.156	5.341	2.190
2.120	3. 593	3001	2.113	3.625	2001	4. 396	1.949	4.385	2.000
2.113	3.625	3001	2.01	3.615	2001	4.385	2.000	4.312	1.985
7.128	3.573	188	7.167	3.6.15	2007	4. 740	1.907	4.363	1 935
3.834	3.808	3001	3.031	3.621	2001	5.656	2.293	5.852	2.314
2.988	3.799	3001	596.2	3.613	1002	5.782	2.278	5.778	2.300
20,72	3.7	3001	2.662	3.753	2001	5, 341	2.190	5.262	2.205
1	2000	2007	201.7	3.671	2001	4. 312	1.965	4.37	240.7
2.483	3.813	1	2.482	3.830	2801	5.778	2.5	5.77.5	7.17
2.662	3. 753	3001	2.612	3.768	2001	5.262	2.205	5.182	2.229
615.2	3. 752	3001	5/9-2	3.745	1002	5.036	902.2	4.960	261.2
2	3.09	3005	20103	3.663	1002	244.4	5.105	4.368	2.093
3. 128	3.637	1	3.026	3.856	2401	5.867	2.340	6.443	2.366
286.2	3.838	3001	2.933	3.840	1002	5.773	2.328	5.695	2.366
2.612	3.768	3001	5.654	3.798	2001	5.182	5.229	5.250	2.278
2.549	3.791	3867	295.2	3.784	1462	5.176	2.266	5.1102	2.255
416.7	30176	2001	414.2	3.77	2001	2. 63.	\$ 62.2	2.027	2.244



.546	3.953	3001	2.593	3.976	7			1		
606	3.96.8	3008	2077	100	788		2001	6363	20121	2000
2.405	3.973	3001	2.358	3.972			1.861	2.557	1.851	2 556
.358	3.972	3001	2.359	3.947	~	Carried Control of the Control of th	6.776	2.556	4.111	7.518
. 030	3.967	3001	1.983	3.966	~		4.252	2.547	11.171	2.545
961.	3.929	3001	1.795	3.96	~		3.878	2.486	3.877	2.560
593	3.976	3001	5.545	3.998	_		5.151	2.562	5.076	2.596
2	3.90	3001	520.2	266.5	7		252.4		152.9	2.595
678	3.99	3001	0	3.99	2001		4. 251		4.176	2.595
796	1.06.1	100	1.905	3.900			4.176	565.2	4.177	5.545
2 4	100		- 14	4 11 76			3.011		3.876	2.594
375	3.094	3001	2.499	4.026	2001		927.6	2.637	5.151	2 . 638
795	3.996	3001	1.867	4.036			2.076	2.596	5.001	7.040
639	4.023	3001	2.687	4.038			5.226	2.637	5.302	0 664
593	4.024	3001	2.593	4.041	7		5.151	7.678	5.457	100.7
664	4. 025	3001	2.546	4.842	2		5.001	2.640	5.077	2.668
248	4.036	3001	1.796	4.054	1002		3.952	2.658	3.878	201.7
3	4.038	3001	2.641	4.073	2001		5.302	2.661	5.229	2.717
	4. 041	3001	165.2	•	1002		5.152	599.2	5.154	12/12
	4.075	3001	2.548	4.078	2001		5. 154	2.721	6.019	2.725
		3001	5.546	4.042	2001		5.079	2.725	5.077	2.668
	-	1	1.00.		2001		3.878	2.702	3.956	2.785
1000	2000	3001	965.2	60.4	2001		622.5	2.717	5.156	251.2
14.5	4.070	2005	2000	191.	1002		5.001	2.757	9.000	291.2
296	4.095	100	2.597		2007		3.956	2.785	4.034	22827
564		1001	7.551		, 5		2.150	761.7	2.159	697.2
205	4. 101	3001	2.504	4.126	2001		5.006	2.767	2000	2000
843	291.9	3001	1.963	4.1.76	1982		4.114	1000		20002
265	4.119	3001	2.646	4.135	2001		5.159	2.789	5.237	2.816
166	221.4	3691	2.553	4.145	1002		5.084	962.2	5.087	2.631
553	4.145	3001	5.506	4.149	2001		2.087	2.831	5.013	2.839
900		3001	5.504	921-4	2001		5.013	2.839	5.009	219.2
200		3001	5.459	12	2801		5.013	2.639	4.938	2.846
2		3001	1.946	4.50	1082		4.113	2.678	4.118	826.2
556	4.171	3005	7.5119	4.17	2001		15.237	2.616	9.166	2.865
586	4.149	3081	2.589	11	2001		260.6	2.074	2.016	2.003
506	4.177	3861	294.2	6.187	2001		6.011	2.48	20010	20003
794	4.182	3001	5.459	4.154	2001		4.943	2.891	4.936	2.846
996	502.4	3001	1.950	4.243	1002		41118	876.2	421.4	2.988
209	166	3001	2.651	4.181	2001		5. 166	598.2	5.245	2.889
666		2001	2000	4.193	2001		5.171	669.2	260.5	506.2
220		2002	644.7	4.195	1007		2.092	2.874	2.097	5.909
2.512	4.200	3001	2.500	4.177	2001		2.097	5.909	5.022	5.919
465	4.206	3001	619.2	212.9	1002		25.056	616.7	5.016	2.003
950	4.243	3001	2.000	4.268			4.124	2.96A	4.205	1.020
159	1.181	3001	2.688	4.209			5.265	2.689	5.176	7.933
509	4. 18 7	3001	5.608	4.209	2001		5.171	5.899	5.176	2.933
909	602.4	3001	295.2	4.216			5.176	2.933	5.102	2.944
200	177.	2001	6.250	1 93	2001		5.102	5.944	2.097	5.309
600	902.4	3001	694.2	622.4	1002		4.948	626 . 2	4.353	196.2
627	623.	2005	224.07	4.620	1007		4.953	2.967	4.879	2.978
	4. 268	3001	2.051	4.297	2001		4.879	876.2	5.874	5.939
809	6.209	3001	7.676	6.7 KB	7007		40 500	3.029	4.500	3.00
2.051	4.292	3001	2.104	4.323	2001		4.246	3.067	106.4	3.015
1/4	192.4	3001	8/4.2	4.283	1002		196	1112	100	2
10,	4.323	3001	2.109	4.352	2001		4.370	3.116	6.378	3.162
87.8	£82 %	3002	389.2	4.314	1002		4.968	3.053	146.9	3.10
109	4.352	3001	5.254	4.361	2001		4. 378	3.162	4.610	3.177
	. 399	3001	420.2	604.4	1002		7115	226	1	-
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1.522	3.171	1.283	3.285	1:23	3.165	3.544	3.136	1.154	3.122	3777.8	1.203	8.11.5	3.160	121.1	3.281	\$22.8	3.157	112.4	1.22.1	132.1	3.228	3.481	3.464	-1.115	2.641								-																
5.654	4:135	264.8	4.327	\$12.5	5.587	124.6	5.216	3.141	5.050	6.857	4.642	30.56	5.146	125.5	5.232	5.166	5.532	5.344	5.316	2.20	5.164	3.377	3.161	1.875	7.488								-																Contract of the Contract of th
F116	1.111	1117	1.238	492.5	3. 124	3.165	3.111	3.116	1.154	1717	1.226	1017	1.136	5.11.5	1.161	3.168	3.128	1.173	3.161	112.4	3.243	3.778	3.043	119.2	4.427	199.	1.114	L. 155	554	1.17	112.2	192.2	***	1447	111.7	5.663	\$61.2	5.956	E-123	1.387	15.481	2,162	192.2	2.515	.678	1111	5555	1.074	1
5. 132	1.311	4.818	4. 316	125 %	2.27	3.511	5. 161	3.12	5.163		4.152	3.46	5.216	5. 164	5. 177	5.166	5. 521	5.488	5. 577	25.25	5.20	1.443	1.233	1.488	1.275	5.526	5. 116	5.12		25.57	261.5			5.677	1. 954	4.918	271.5	4.762	5.73	1. 596	18.3	4.783	5. 117	1.364	5. 931	6.015	4. 30 5	'AB'	25.75
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. 534		7.315	2.177	221.2	\$11.5	20.75	2.433	185.5	2.514	7.686	****		2.598	121.2	2.643	364.2	2.431	19/02	2.636	154.2	2.598	214.3	1.147	241.											-							-			-				-
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